AV-29TS4EE
AV-29TS4EN
AV-29TS4EP

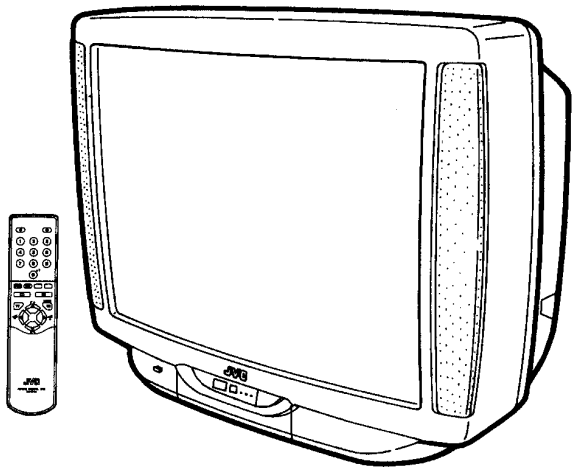
JVC

SERVICE MANUAL

COLOUR TELEVISION

BASIC CHASSIS
JH

AV-29TS4EE
AV-29TS4EN
AV-29TS4EP



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No.51522
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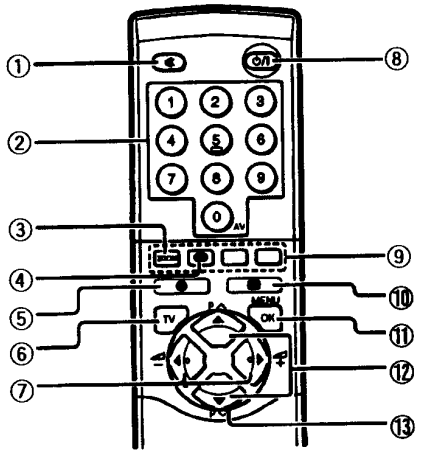
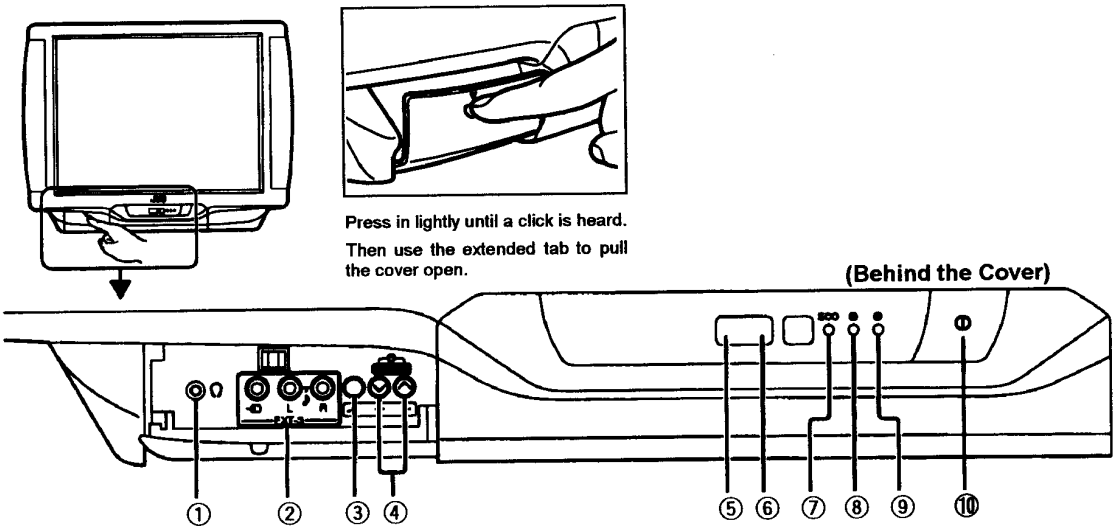
FUNCTIONS

REMOTE CONTROL UNIT



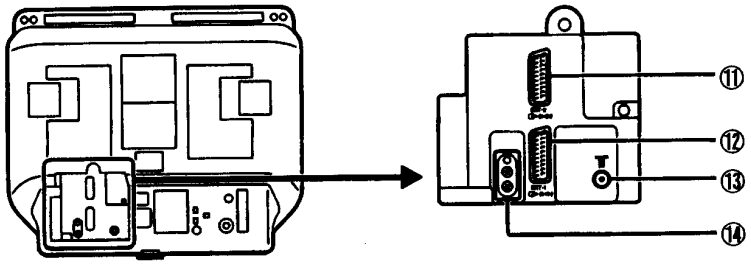
① Muting
② Number Buttons
③ ZOOM
④ Hyper Sound
⑤ Information
⑥ TV
⑦ Volume -/+
⑧ Standby
⑨ Colour Buttons
⑩ TEXT
⑪ OK / MENU
⑫ PR Channel ∧/∨
⑬ ◀/▶ ／ ▼/▲

FRONT PANEL


Press in lightly until a click is heard.
Then use the extended tab to pull the cover open.
(Behind the Cover)
EXT-3
L
R
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Headphone (Mini jack)
② EXT-3 Terminals
③ Volume ◿
④ ∧/∨ (PR Channel), -/+ (Volume)
⑤ ECO Sensor
⑥ Remote Control Sensor
⑦ ECO Lamp
⑧ Sleep Timer Lamp
⑨ Power Lamp
⑩ Main Power Button

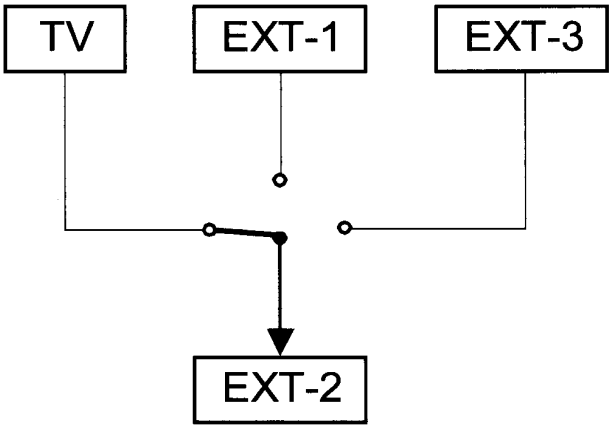
REAR PANEL



⑪ EXT-2 Terminal
⑫ EXT-1 Terminal
⑬ Aerial Socket
⑭ Audio Out

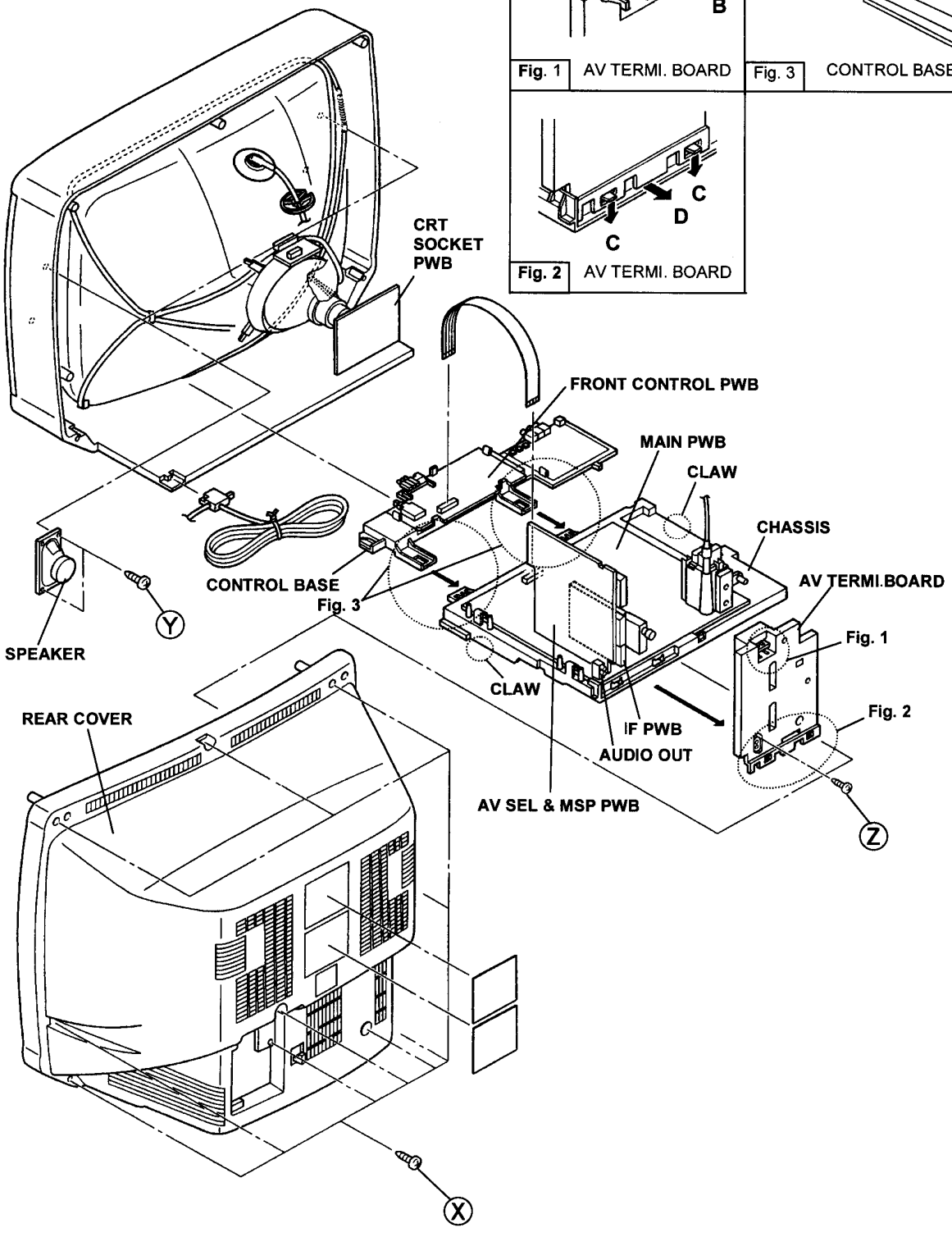
FEATURES

1. The TELETEXT SYSTEM has a built-in FASTEXT, TOP(Except : AV-29TS4EE) & WST system.
2. By means of AUTO PROGRAM, the TV stations can be selected automatically and the TV channels can also be rearranged automatically.
3. Built-in ECO (ECONOMY, ECOLOGY) MODE.
   In accordance with the brightness in a room, the brightness and / or contrast of the picture can be adjusted automatically to make the optimum picture which is easy on the eye.
4. The audio circuit has a built-in A2/NICAM stereo system.
5. The EXT-2 TERMINAL (21-pin Euro connector) can select the output circuit as shown figure.
6. Built-in TV-LINK.
7. Built-in VARIABLE AUDIO OUT.



MAIN DIFFERENCE PARTS LIST

⚠	Parts Name	AV-29TS4EE	AV-29TS4EN	AV-29TS4EP
	MAIN PWB	SJH-1301A-U2	SJH-1001A-U2	SJH-1701A-U2
	IF PWB	SJH0F301A-U2	SJH0F001A-U2	SJH0F701A-U2
	WARNING SHEET	LCT0302-001A-U	LCT0065-001A-U	LCT0302-001A-U
⚠	INST BOOK	LCT0300-001A-U	LCT0297-001A-U LCT0298-001A-U	LCT0299-001A-U
	ADDRESS CARD	×	BT-20066A-E	×
	WARRANTY	×	BT-54008-1E	×
⚠	RATING LABEL	LC20230-001A-U	LC20076-004A-U LC20077-004A-U	LC20079-005A-U
	EURO LABEL	AEM1038-042-E	AEM1039-013-E	AEM1039-014-E
	S. DIAGRAM	×	29TS4EN-HSAE (ONLY ITALY)	×


A
B
Fig. 1 AV TERMI. BOARD
E
F
Fig. 3 CONTROL BASE
C
D
C
Fig. 2 AV TERMI. BOARD
CRT SOCKET PWB
FRONT CONTROL PWB
MAIN PWB
CLAW
CHASSIS
AV TERMI.BOARD
Fig. 1
Fig. 2
CONTROL BASE
Fig. 3
SPEAKER
Y
CLAW
IF PWB
AUDIO OUT
AV SEL & MSP PWB
Z
REAR COVER
X

REPLACEMENT OF MEMORY ICs

1. Memory ICs

This TV use memory ICs. In the memory ICs, there are memorized data for correctly operating the video and deflection circuits. When replacing memory ICs, be sure to use ICs written with the initial values of data.

2. Procedure for replacing memory ICs

PROCEDURE
(1) **Power off** Switch the power off and unplug the power cord from the outlet.
(2) **Replace ICs.** Be sure to use memory ICs written with the initial data values.
(3) **Power on** Plug the power cord into the outlet and switch the power on.
(4) **Check and set SYSTEM CONSTANT SET:** 1) Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously. 2) The SERVICE MENU screen of Fig. 1 will be displayed. 3) While the SERVICE MENU is displayed press the INFORMATION key and MUTING key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed. 4) Check the setting values of the SYSTEM CONSTANT SET of Table 1. If the value is different, select the setting item with the FUNCTION UP/DOWN key, and set the correct value with the FUNCTION -/+ key. 5) Press the MENU key and memorize the setting value. 6) Press the INFORMATION key twice, and return to the normal screen.
(5) **Setting of receive channels** Set the receive channel. For setting, refer to the OPERATING INSTRUCTIONS.
(6) **User settings** Check the user setting values of Table 2, and if setting value is different, set the correct value. For setting, refer to the OPERATING INSTRUCTIONS.
(7) **Setting of SERVICE MENU** Verify the setting items of the **SERVICE MENU** of Table 3, and reset where necessary. For setting, refer to the SERVICE ADJUSTMENTS.

SERVICE MENU

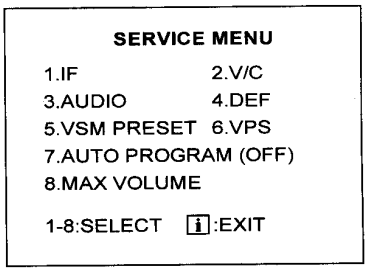


Fig.1

SYSTEM CONSTANT SET

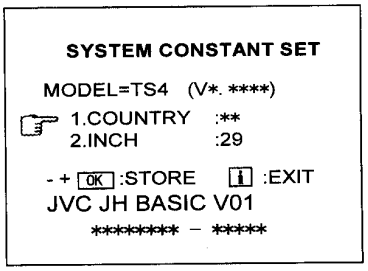


Fig.2

NAME OF REMOTE CONTROL KEY

Names of key	key
INFORMATION	
MUTING	
MENU	
FUNCTION UP/DOWN	
FUNCTION -/+	

SETTING VALUES OF SYSTEM CONSTANT SET

Setting item	Setting content	Setting value		
		AV-29TS4EE	AV-29TS4EN	AV-29TS4EP
1. COUNTRY	→ EE → IR → UK → EN → EP →	EE	EN	EP
2. INCH	→ 21 → 25 → 29 →	29	29	29

Table 1

USER SETTING VALUES

Setting item	Setting value	Setting item	Setting value
SUB POWER	ON	COOL/NORMAL	COOL
CHANNEL	1 POSITION	SLEEP TIMER	OFF
CHANNEL PRESET	See ; OPERATING INSTRUCTIONS	TV SPEAKER	ON
		BLUE BACK	ON
VOLUME	Appropriate sound volume	ZOOM	REGULAR
TV / EXT	TV	TONE	OFF
DISPLAY	CHANNEL DISPLAY	BALANCE/BASS/TREBLE	CENTER
COLOUR SYSTEM	TV / PAL	LANGUAGE	ENGLISH
HYPER SOUND	OFF	CHILD LOCK	ID No. * * * * * *

Table 2

SERVICE MENU SETING ITEMS

Setting item	Setting value	Setting item	Setting value
1. IF	1. VCO 2. DELAY POINT 3. LV LEVEL**(Only AV-29TS4EP)**	4. DEF.	1. TRAPEZ 2. V-SHIFT 3. V-SIZE 4. H-CENT 5. H-SIZE 6. EW-PIN 7. V-S. CR 8. V-EDGE 9. EW-COR 11. ABL POINT***(Do not adjust)*** 12. ABL GAIN***(Do not adjust)***
2. V / C	1. CUT OFF (R, G, B) 2. DRIVE (R, B) 3. BRIGHT 4. CONT. 5. COLOUR(PAL/SECAM/NTSC) 6. TINT(NTSC) 7. BLACK OFFSET(SECAM) 8. SHARP 9. TEXT (R, G, B)CONT 10. DC TRAN RATE ***(Do not adjust)*** 11. BLACK STRETCH 12. B.S.OFF	5. VSM PRESET (COOL/NORMAL/WARM)	1. BRIGHT 2. CONT. 3. COLOUR 4. SHARP 5. TINT 6. R DRIVE 7. B DRIVE 8. BASS 9. TREBLE
3. AUDIO ***(Do not adjust)***	1. CONC LIMIT 2. A2 ID THR	6. VPS ***(Do not adjust)***	VPS
8. MAX VOLUME	LEVEL	7. AUTO PROGRAM ***(Do not adjust)***	ON / OFF

Table 3

SERVICE ADJUSTMENTS

BEFORE STARTING SERVICE ADJUSTMENT

1. There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
2. The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
3. Make sure that connection is correctly made to AC power source.
4. Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.
5. If the receive or input signal is not specified, use the most appropriate signal for adjustment.
6. Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
7. Preparation for adjustment (presetting):
   Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT:

(1) PICTURE MODE (VSM)	COOL
(2) SLEEP TIMER	OFF
(3) HYPER SOUND	OFF
(4) BALANCE	CENTER
(5) ECO	OFF
(6) ZOOM	REGULAR

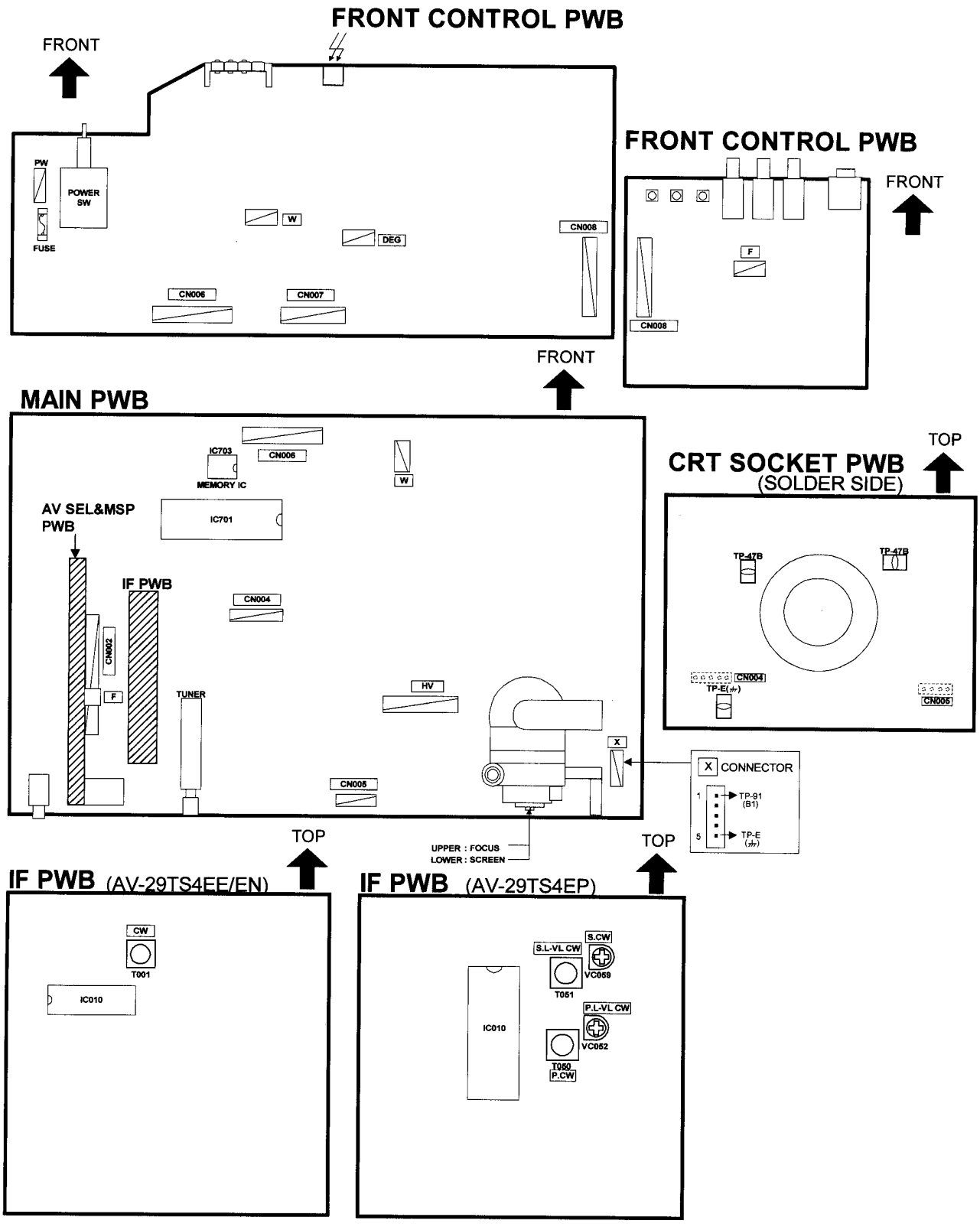
MEASUREING INSTRUMENT AND FIXTURES

1. DC voltmeter (or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [PAL/SECAM/NTSC]
4. Remote control unit

ADJUSTMENT ITEMS

Adjustment item	Adjustment item
B1 POWER SUPPLY CHECK	VIDEO/CHROMA CIRCUIT ADJUSTMENT
FOCUS ADJUSTMENT	DEFLECTION CIRCUIT ADJUSTMENT
IF CIRCUIT ADJUSTMENT	AUDIO CIRCUIT (Do not adjust.)
VSM PRESET ADJUST SETTING	SETTING OF MAX VOLUME

ADJUSTMENT LOCATIONS



BASIC OPERATION OF SERVICE MENU

1. **TOOL OF SERVICE MENU OPERATION**
   Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. **SERVICE MENU ITEMS**
   With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings (adjustments):
   (1) **1. IF** ····· This mode adjusts the setting values of the IF circuit.
   (2) **2.V/C** ····· This mode adjusts the setting values of the VIDEO / CHROMA circuit.
   (3) **3.AUDIO** ····· This mode adjusts the setting values of the multiplicity SOUND circuit.
   (4) **4.DEF** ····· This mode adjusts the setting values of the DEFLECTION circuit.
   (5) **5.VSM PERSET** ····· This mode adjusts the initial setting values of COOL, NORMAL and WARM.
   (VSM : video status memory)
   (6) **6.VPS** ····· This mode shows the monitor of the VPS and PDC.***(Do not adjust)***.
   (VPS : Video Program System, PDC : Program Delivery Code)
   (7) **7.AUTO PROGRAM** ····· This mode set the values at the time of shipment from the factory. ***(Do not adjust)***
   (8) **8.MAX VOLUME** ····· This mode adjusts the MAX VOLUME. ***(Do not adjust under normal condition)***

3. **BASIC OPERATION OF SERVICE MENU**
   (1) **How to enter SERVICE MENU**
   Press the INFORMATION key and the MUTING key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.

SERVICE MENU

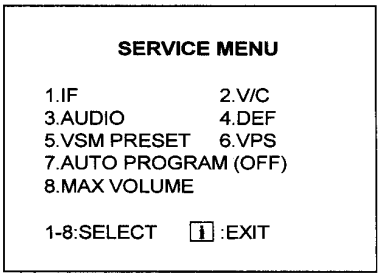


Fig.1

   (2) **Selection of SUB MENU SCREEN**
   Press one of keys 1~8 of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.
   SERVICE MENU → SUB MENU
   1. IF
   2. V / C
   3. AUDIO
   4. DEF.
   5. VSM PRESET
   6. VPS
   7. AUTO PROGRAM
   8.MAX VOLUME

NAME OF REMOTE CONTOROL KEY

Names of key	key
INFORMATION	
MUTING	
MENU	
FUNCTION UP/DOWN	
FUNCTION -/+	

Fig.2

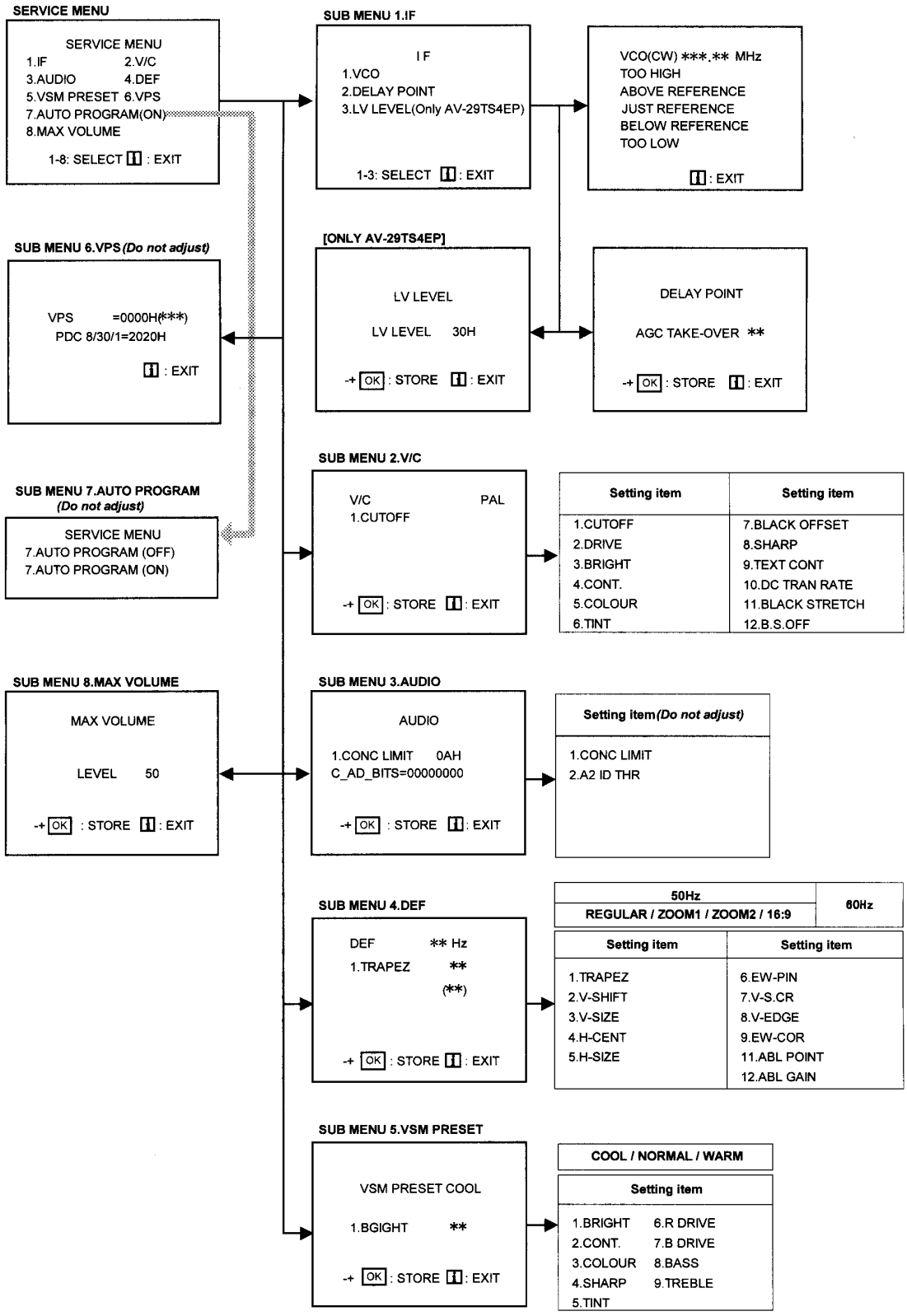


Fig. 3 SUB MENU SCREEN

(3) **Method of Setting**

1) Method of Setting **1.IF**

[1. VCO]

① 1 Key ····· Select **1.IF**.
② 1 Key ····· Select 1.VCO
③ The VCO (CW) screen will be displayed in yellow when the AFC voltage is at a certain level and in blue when it is at other levels.
④ INFORMATION Key ····· As you press this twice, you will return to the **SERVICE MENU**.

[2. DELAY POINT]

① 1 Key ····· Select **1.IF**.
② 2 Key ····· Select 2.DELAY POINT.
③ FUNCTION -/+ ····· Set (adjust) the setting values of the setting items.
④ MENU Key ····· Memorize the set value.
(Before storing the setting values in memory, do not press the INFORMATION, TV , POWER ON / OFF keys - if you do, the values will not be stored in memory.)
⑤ INFORMATION Key ····· When this is pressed twice, you will return to the SERVICE MENU.

[3.LV LEVEL] **(Only AV-29TS4EP)**

① 1 Key ····· Select **1.IF**.
② 3 Key ····· Select 3.LV LEVEL.
③ FUNCTION -/+ ····· Set (adjust) the setting values of the setting items.
④ MENU Key ····· Memorize the set value.
(Before storing the setting values in memory, do not press the INFORMATION, TV , POWER ON / OFF keys - if you do, the values will not be stored in memory.)
⑤ INFORMATION Key ····· When this is pressed twice, you will return to the SERVICE MENU.

2) Method of setting **2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET**.

① 2~5 Key ····· Select one from **2. V/C, 3. AUDIO, 4. DEF and 5. VSM PRESET**.
② FUNCTION UP/DOUN Key ····· Select setting items.
③ FUNCTION -/+ ····· Set (adjust) the setting values of the setting items.
(Use the number keys of the REMOTE CONTROL UNIT for setting of WHITE BALANCE. For the setting, refer to each item concerned.)
④ MENU Key ····· Memorize the setting value.
(Before storing the setting values in memory, do not press the INFORMATION, TV , POWER ON / OFF key - if you do, the values will not be stored in memory.)
⑤ INFORMATION Key ····· Return to the **SERVICE MENU** screen.

3) Method of setting **6.VSP and 7.AUTO PROGRAM**.

6.VPS ····· This mode displayed monitor of VPS systems. **Do not adjust.**
7.AUTO PROGRAM ····· When the MAIN POWER is turned on with the state of AUTO PROGRAM ON, you get a mode that initializes every existing set value including language selection. Because this mode is set at the factory upon completion of the adjustment, you need not to use it for service. **Do not adjust.**

4) Method of setting **8.MAX VOLUME (Do not adjust under normal condition)**

① 8 Key ····· Select **8. MAX VOLUME.**
② FUNCTION -/+ Key ····· Set (adjust) the setting values of the setting items.
③ MENU Key ····· Memorize the setting value.
④ INFORMATION Key ····· Return to the SERVICE MENU screen.

(4) **Release of SERVICE MENU**

1) After completing the setting, return to the SERVICE MENU, then again press the INFORMATION key.

B1 POWER SUPPLY

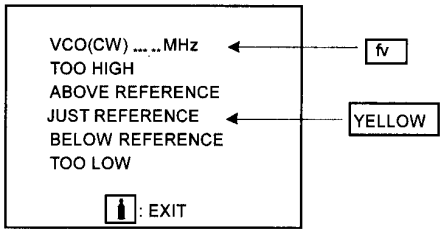
Item	Measuring instrument	Test point	Adjustment part	Description
Check of B1 Power SUPPLY	**Signal generator DC voltmeter**	**TP-91(B1) TP-E(⏚) [X connector in MAIN PWB]**		1. Receive a whole black signal. 2. Connect a DC voltmeter to TP-91(B1) and TP-E (⏚). 3. Make sure that the voltage is DC142.5±2V.

FOCUS ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of FOCUS	**Signal generator**		**FOCUS VR [In HVT]**	1. Receive a cross-hatch signal. 2. While watching the screen, adjust the FOCUS VR to make the vertical and horizontal lines as fine and sharp as possible. 3. Make sure that when the screen is darkened, the lines remain in good focus.

IF CIRCUIT ADJUSTMENT [For AV-29TS4EE / AV-29TS4EN]

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of VCO	**Remote control unit**		**P. CW TRANSF. (T001) [On IF PWB]**	● It must not adjust without signal. 1. Select 1.IF from the SERVICE MENU. 2. Press 1 key and select 1.VCO. 3. Select a receivable broadcast channel with the CHANNEL key. 4. Turn the core of P. CW TRANSF. until the colour of the characters TOO HIGH displayed on the screen changes from blue to **Yellow**. (Step 1) 5. Turn the core of P. CW TRANSF. until the colour of the characters TOO LOW changes from blue to **Yellow**. (Step 2) 6. Then slowly turn back the core of P. CW TRANSF. until the colour of the characters JUST REFFERENCE changes from blue to **Yellow**. (Step 3) 7. Press the INFORMATION key three times to return to normal screen. 8. Perform CHANNEL PRESET again, and make sure that each broadcast is being received properly.
Adjustment of DELAY POINT	**Remote control unit**		**DELAY POINT (AGC TAKE-OVER)**	1. Receive a black and white signal (colour off). 2. Select 1.IF from the SERVICE MENU. 3. Select 2.DELAY POINT by pressing the 2 key on the remote control. 4. Adjust the FUNCTION - or + key until video noise disappears. 5. Press the MENU key and memorize the set value. 6. Turn to other channels and make sure that there are no irregularities.

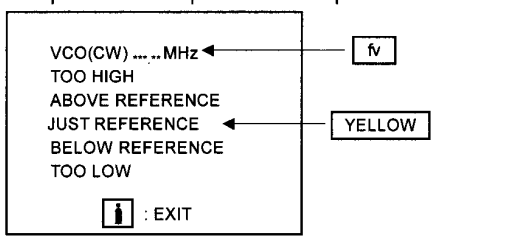


Screen display	Step 1 → 2 → 3
TOO HIGH	**Yellow** → Blue → Blue
ABOVE REFERENCE	Blue → Blue → Blue
JUST REFERENCE	Blue → Blue → **Yellow**
BELOW REFERENCE	Blue → Blue → Blue
TOO LOW	Blue → **Yellow** → Blue

Setting item (Adjustment item)	Variable range	Initial setting value
DELAY POINT (AGC TAKE-OVER)	00H~FFH	C0H

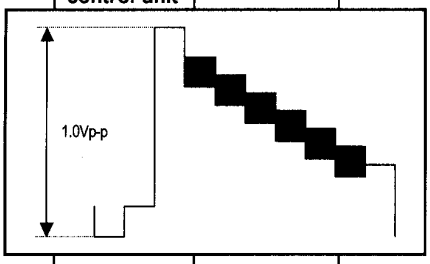
IF CIRCUIT ADJUSTMENT [FOR AV-29TS4EP]

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>Adjustment of VCO</td><td>Remote control unit</td><td></td><td>P.CW TRANSF (T050)
P.L-VL CW TRIM.C (C050)
[On IF PWB]</td><td>● It must not adjust without signal.
1. Select 1.IF from the SERVICE MENU.
2. Press 1 key and select 1.VCO.
3. Select a SECAM L or PAL broadcast channel with the CHANNEL key.
4. Turn the core of P.CW TRANSF. until the colour of the characters TOO HIGH displayed on the screen changes from blue to <u>Yellow</u>. (Step 1)
5. Turn the core of P.CW TRANSF. until the colour of the characters TOO LOW changes from blue to <u>Yellow</u>. (Step 2)
6. Then slowly turn back the core of P.CW TRANSF. until the colour of the characters JUST REFERENCE changes from blue to <u>Yellow</u>. (Step 3)
7. In the district SECAM L' broadcast, can be received select a SECAM L' broadcast channel with the CHANNEL key and adjust the P.L-VL CW TRIM.C in same manner as for above step. And as necessary, readjust P.CW TRANSF.
8. Press the INFORMATION key three times to return to normal screen.
9. Perform CHANNEL PRESET again, and make sure that each broadcast is being received properly.</td></tr>
<tr><td>Adjustment of DELAY POINT (AGC)</td><td>Signal generator Remote control unit</td><td></td><td>DELAY POINT (AGC TAKE-OVER)</td><td>1. Receive a black and white signal (colour off).
2. Select 1.IF from the SERVICE MENU.
3. Select 2.DELAY POINT by pressing the 2 key on the remote control.
4. Adjust the FUNCTION - or + key until video noise disappears.
5. Press the MENU key and memorize the set value.
6. Turn to other channels and make sure that there are no irregularities.</td></tr>
<tr><td>Adjustment of L-DET. LEVEL</td><td>Signal generator Oscilloscope [H-rate] Remote control unit</td><td>EXT-1 ⑲ pin (TV OUT)</td><td></td><td>1. Receive a SECAM-L full field colour bar signal (100% white).
2. Connect an oscilloscope terminated 75Ω to EXT-1 terminal of ⑲pin (TV out).
3. Select 1. IF from the SERVICE MENU.
4. Press 3 key and select 3. LV LEVEL.
5. Adjust the LV LEVEL by FUNCTION -/+ key and make the wave detector output 1.0Vp-p.</td></tr>
</table>



Screen display	Step 1 → 2 → 3		
TOO HIGH	**Yellow**	Blue	Blue
ABOVE REFERENCE	Blue	Blue	Blue
JUST REFERENCE	Blue	Blue	**Yellow**
BELOW REFERENCE	Blue	Blue	Blue
TOO LOW	Blue	**Yellow**	Blue

Setting item (Adjustment item)	Variable range	Initial setting value
DELAY POINT (AGC TAKE-OVER)	00H~FFH	C0H



Setting item (Adjustment item)	Variable range	Initial setting value
LV LEVEL	00H~FFH	E6H

VSM PRESET ADJUST SETTING

Item	Measuring instrument	Test point	Adjustment part	Description
Setting of VSM PRESET ADJUST	**Remote control unit**		**1. BRIGHT** **2. CONT.** **3. COLOUR** **4. SHARP** **5. TINT** **6. R DRIVE** **7. B DRIVE** **8. BASS** **9. TREBLE**	1. Select 5.VSM PRESET from the SERVICE MENU. 2. Select COOL with the PICTURE SETTING . 3. Adjust the FUNCTION UP/DOWN and -/+ key to bring the set values of 1.BRIGHT ~ 9.TREBLE to the values shown in the table. 4. Press the MENU key and memorize the set value. 5. Respectively select the VSM PRESET mode for NORMAL and WARM, and make similar adjustment as in 3 above. 6. Press the MENU key and memorize the set value. * Refer to OPERATING INSTRUCTIONS for the PICTURE SETTING.

VSM preset mode / Setting item	COOL	NORMAL	WARM
1. BRIGHT SETTING VALUE	+0	+0	+0
2. CONT. SETTING VALUE	+12	+10	+2
3. COLOUR SETTING VALUE	+6	+0	-2
4. SHARP SETTING VALUE	+0	+0	-2
5. TINT SETTING VALUE	+0	+0	+0
6. R DRIVE SETTING VALUE	-10	+15	+22
7. B DRIVE SETTING VALUE	-20	-25	-43
8. BASS SETTING VALUE	+0	+0	+0
9. TREBLE SETTING VALUE	+0	+0	+0

SETTING VALUES OF VSM PRESET

VIDEO/CHROMA CIRCUIT ADJUSTMENT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.

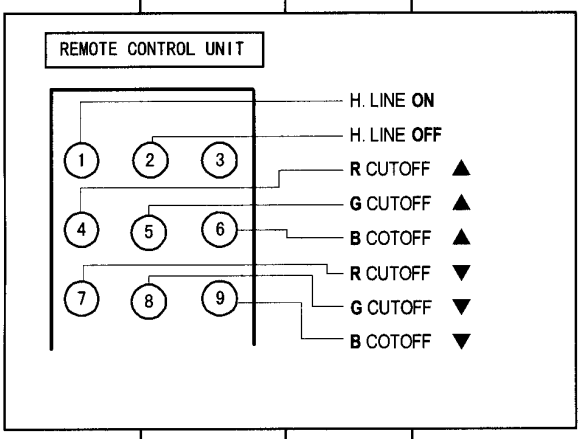
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

※ Items in ( ) are automatically set to below table

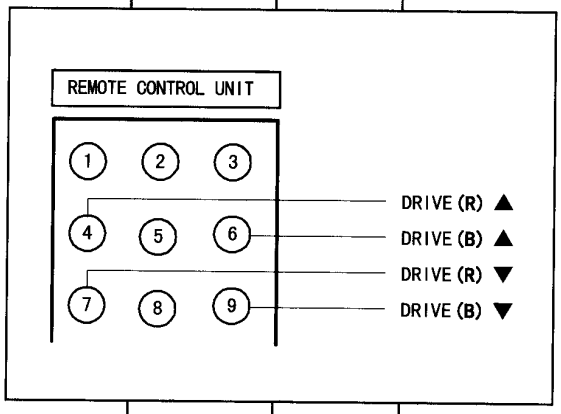
Setting (adjustment) item		Variable range	Initial setting value
1.CUT OFF	R	-128～+127	-100
	G	-128～+127	-100
	B	-128～+127	-100
2.DRIVE	R	-118～+32	+00
	B	-31～+32	+00
3.BRIGHT		-128～+127	+00
4.CONT		-55～+31	+00

Setting (adjustment)item \ Colour system		Variable range	Initial setting value			
			PAL	SECAM	NTSC 3.58	NTSC 4.43
5. COLOUR		-128～+127	+00	←	+00	(+00)
6.TINT	TV	-64～+63	——	——	+00	(+00)
	VIDEO				(+00)	(+00)
7.BLACK OFF	R-Y	-08～+07	——	+00	——	——
	B-Y	-08～+07	——	+00	——	——
8.SHARP *(Do not adjust)*		-36～+27	-15 **(Fixed)**	←	+00 **(Fixed)**	(+00) **(Fixed)**
9.TEXT (RGB) CONT *(Do not adjust)*		-128～+127	-30 **(Fixed)**	←	——	——
10.DC TRAN RATE *(Do not adjust)*		-08～-01	-8 **(Fixed)**	←	——	——
11.BLACK STRETCH *(Do not adjust)*		-08～-01	-1 **(Fixed)**	←	——	——
12.B.S.OFF *(Do not adjust)*		ON / OFF	OFF **(Fixed)**	←	——	——

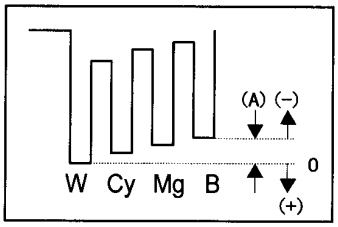
Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of WHITE BALANCE (Low Light)	**Signal generator** **Remote control unite**		**1.CUT OFF** **(R)＊＊＊** **(G)＊＊＊** **(B)＊＊＊** **SCREEN VR [In HVT]**	1. Receive a black and white signal(colour off). 2. Select 2. V/C from the SERVICE MENU. 3. Select 1.CUT OFF with the FUNCTIONE UP/DOWN key. 4. Show one horizontal line with the 1 key. With the SCREEN VR, adjust so that the horizontal line will not be too bright. 5. Gradually turn the SCREEN VR from the left end to the right direction to bring one of the red, green and blue colour faintly visible. 6. Press 4～9 key, and bring out the other 2 colours and make one horizontal line visible in white. 7. Turn the SCREEN VR and bring one white horizontal line faintly visible. 8. Press 2 key, turn off 1.CUT OFF screen. 9. Press the MENU key and memorize the set value.

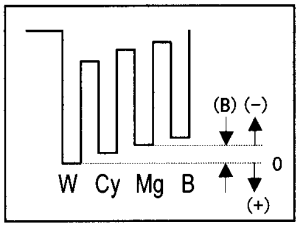


Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of WHITE BALANCE (High Light)	**Signal generator** **Remote control unit**		**2.DRIVE** **(R) * *** **(B) * ***	1. Receive a black and white signal (colour off). 2. Select 2.V/C from the SERVICE MENU. 3. Select 2.DRIVE with the FUNCTION UP/DOWN key. 4. Change the screen colour to white with 4/7(R) key or 6/9(B) key. 5. Press the MENU key, and memorize the respective set values.
Adjustment of SUB BRIGHT	**Remote control unit**		**3.BRIGHT**	1. Receive any broadcast. 2. Select 2.V/C from the SERVICE MENU. 3. Select 3.BRIGHT with the FUNCTION UP/DOWN key. 4. Set the initial setting value with the FUNCTION -/+ key. 5. If the brightness is not the best with the initial set value, make fine adjustment until you get the best brightness. 6. Press the MENU key and memorize the set value.
Adjustment of SUB CONT.	**Remote control unit**		**4.CONT.**	1. Receive any broadcast. 2. Select 2.V/C from the SERVICE MENU. 3. Select 4.CONT with the FUNCTION UP/DOWN key. 4. Set the initial setting value with the FUNCTION - or + key. 5. If the contrast is not the best with the initial set value, make fine adjustment until you get the best contrast. 6. Press the MENU key and memorize the set value.



Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of SUB COLOUR I	**Remote control unit**		**5.COLOUR (PAL~NTSC)**	**[Method of adjustment without measuring instrument]**
			PAL COLOUR	(PAL COLOUR) 1. Receive any broadcast. 2. Select 2.V/C from the SERVICE MENU. 3. Select 5.COLOUR with the FUNCTION UP/DOWN key. 4. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key. 5. If the colourt is not the best with the initial set value, make fine adjustment until you get the best colour. 6. Press the MENU key and memorize the set value.
			SECAM COLOUR	(SECAM COLOUR) 1. Receive a SECAM broadcast. Make fine adjustment of SECAM COLOUR in the same manner as for above.
			NTSC COLOUR	(NTSC 3.58 COLOUR) 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal. 2. Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above.
				(NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

Item	Measuring instrument	Test point	Adjustment part	description
Adjustment of SUB COLOUR Ⅱ	**Signal generator** **Oscilloscope** **Remote control unit**	**TP-47B TP-E(⏚) [CRT SOCET PWB]**	**5.COLOUR (PAL～NTSC)**	**[Method of adjustment using measuring instrument]**
			PAL COLOUR	(PAL COLOUR) 1. Receive a PAL full field colour bar signal (75% white). 2. Select 2.V/C from the SERVICE MENU. 3. Select 5.COLOUR with the FUNCTION UP/DOWN key. 4. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key. 5. Connect the oscilloscope between TP-47B and TP-E(⏚) 6. Adjust PAL COLOUR and bring the value of (A) in the illustration to +2V (voltage difference between white and blue). 7. Press the MENU key and memorize the setting value.
			SECAM COLOUR	(SECAM COLOUR) 1. Receive a SECAM full field colour bar signal(75% white). 2. Set the initial setting value of SECAM COLOUR with the FUNCTION -/+ key. 3. Adjust SECAM COLOUR and bring the value of (A) of the illustration to -1V (W～B). 4. Press the MENU key and memorize the setting value.
			NTSC 3.58 COLOUR	(NTSC 3.58 COLOUR) 1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. 2. Set the initial setting value of NTSC 3.58 COLOUR with the FUNCTION -/+ key. 3. Adjust NTSC 3.58 COLOUR and bring the value of (A) of the illustration to -3V(W～B). 4. Press the MENU key and memorize the setting value.
				(NTSC 4.43 COLOUR) 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

Item	Measuring Instrument	Test point	Adjustment part	Description
Adjustment of SUB TINT I	**Remote control unit**		**6.TINT**	**[Method of adjustment without measuring instrument]**
			NTSC 3.58 TINT	[NTSC 3.58 TINT] 1. Input a NTSC 3.58MHz composite video signal (full field colour bar with 75% white) from the EXT terminal. 2. Select 2.V/C from the SERVICE MENU. 3. Select 6. TINT with the FUNCTION UP/DOWN key. 4. Set the initial setting value of NTSC 3.58 TINT with the FUNCTION -/+ key. 5. If you cannot get the best tint with the initial setting value, make fine adjustment until you get the best tint. 6. Press the MENU key and memorize the set value.
				[NTSC 4.43 TINT] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
Adjustment of SUB TINT II	**Signal generator** **Oscilloscope** **Remote control unit**	**TP-47B TP-E(⏚) [CRT SOCKET PWB]**	**6.TINT**	**[Method of adjustment using measuring instrument]**
			NTSC 3.58 TINT	[NTSC 3.58 TINT] 1. Input a NTSC 3.58MHz composite video signal (full field colour bar with 75% white) from the EXT terminal. 2. Select 2.V/C from the SERVICE MENU. 3. Select 6.TINT with the FUNCTION UP/DOWN key. 4. Set the initial setting value of NTSC 3.58 TINT with the FUNCTION - or + key. 5. Connect the oscilloscope between TP-47B and TP-E(⏚) 6. Adjust NTSC 3.58 TINT to bring the value of (B) in the illustration to +5V (voltage difference between white and magenta). 7. Press the MENU key and memorize the setting value
				[NTSC 4.43 TINT] 1. When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

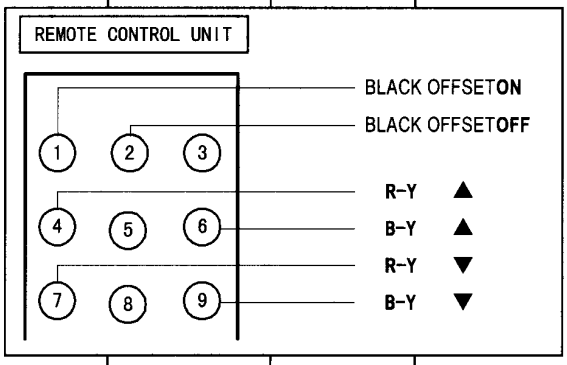
<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>description</th></tr>
<tr><td>Adjustment of BLACK OFFSET I (SECAM)</td><td>Remote control unit</td><td></td><td>7.BLACK OFFSET

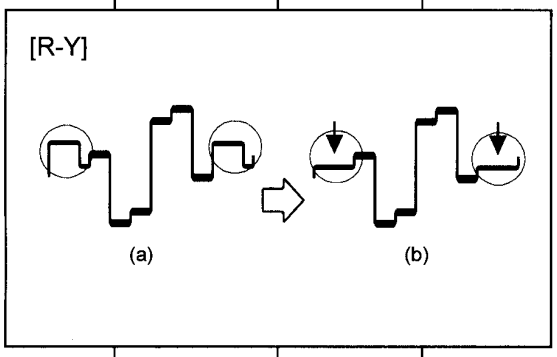
(R-Y) ***
(B-Y) ***</td><td>[Method of adjustment without measuring instrument]
1. Receive a SECAM broadcast.
2. Select 2. V/C from SERVICE MENU.
3. Select 7. BLACK OFFSET with the FUNCTION UP/DOWN key.
4. Set the initial setting value for BLACK OFFSET (R-Y) and (B-Y) with 4 and 7 or 6 and 9 keys of the remote control unit.
5. If the picture is not the best with the initial setting value, make fine adjustment until you get the best picture.
6. Press the MENU key and memorize the setting value.</td></tr>
<tr><td>Adjustment of BLACK OFFSET II (SECAM)</td><td>Signal generator

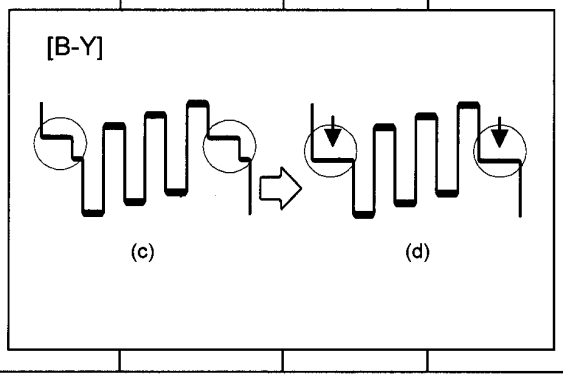
Oscilloscope

Remote control unit</td><td>35 PIN (R-Y)
36 PIN (B-Y)
IC-101 OF MAIN PWB</td><td>7.BLACK OFFSET

(R-Y) ***
(B-Y) ***</td><td>[Method of adjustment using measuring instrument]
1. Receive a SECAM COLOUR bar signal (full field colour bar 75% white).
2. Select 2. V/C from SERVICE MENU.
3. Select 7. BLACK OFFSET with the FUNCTION UP/DOWN key.
4. Connect the oscilloscope between 35 pin of IC-101 and TP-E.
5. By using 4 and 7 keys of the remote control unit, adjust the BLACK OFFSET (R-Y) so that it becomes the waveform changes from (a) to (b) shown in the figure.
6. Connect the oscilloscope between 36 pin of IC-101 and TP-E.
7. By using 6 and 9 keys of the remote control unit, adjust the BLACK OFFSET (B-Y) so that it becomes the waveform changes from (c) to (d) shown in the figure.
8. If the picture is not the best with the adjusted picture, make fine adjustment until you get the best picture.
9. Press the MENU key and memorize the setting value.</td></tr>
</table>







DEFLECTION CIRCUIT ADJUSTMENT

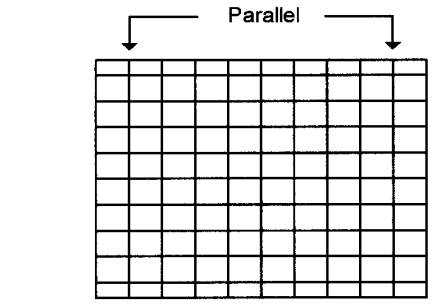
- There are 5 modes of adjustment -------- (1) 50Hz mode (①REGULAR, ②ZOOM1, ③ZOOM2, ④16:9) and (2) 60Hz mode (REGULAR) ---------- depending upon the kind of signals (VERTICAL FREQUENCY 50Hz / 60Hz).

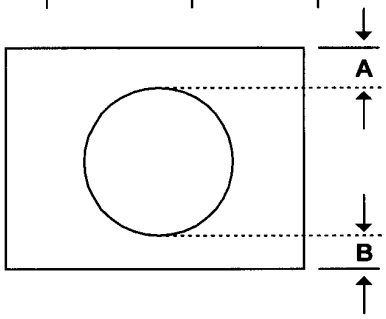
- Adjustments in 50Hz REGULAR mode should be done always first.
- When the 50Hz REGULAR mode has been established, the setting of other modes will be done automatically. However, if the picture quality has not been optimized, adjust each mode again, respectively.
- The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial set values.

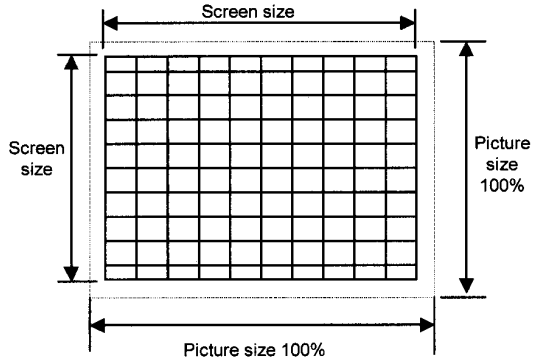
Setting (adjustment) item	Adjustment name	Variable range	Initial setting value				
			50Hz mode				60Hz mode
			REGULAR	ZOOM1	ZOOM2	16:9	
1. TRAPEZ	Trapezoidal distortion correction	-32～+31	+16	-02	-04	+01	-01
2.V-SHIFT	Vertical center	-32～+31	-13	+02	+03	+02	+12
3.V-SIZE	Vertical hight	-64～+63	-26	+16	+27	-25	-01
4.H-CENT	Horizontal center	-16～+15	-09	+0	+00	-09	+05
5.H-SIZE	Horizontal width	-32～+31	+15	-03	-03	+00	+00
6.EW-PIN	Side pin correction	-32～+31	+02	+11	+20	-14	-01
7.V-S.CR	Vertical hight correction	-16～+15	+02	+01	+04	+00	+00
8.V-EDGE	Vertical edge correction	-08～+07	+07	+00	+00	+00	+00
9.EW-COR	Side pin for corner correction	-08～+07	-02	+03	+04	+00	-01
11.ABL POINT *(Do not adjust)*	Auto beam limited point	-08～-01	-04	-04	-04	-04	-04
12.ABL GAIN *(Do not adjust)*	Auto beam limited gain	-08～-01	-04	-04	-04	-04	-04

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>Adjustment of TRAPEZ</td><td>Signal generator

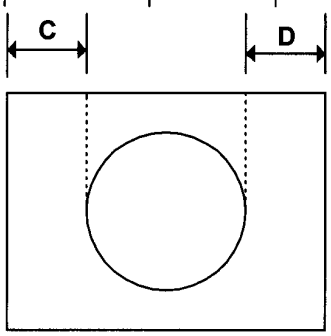
Remote control unit</td><td></td><td>1.TRAPEZ</td><td>[50Hz REGULAR mode]
1. Receive a cross-hatch signal of vertical frequency 50Hz.
2. Select 4.DEF from the SERVICE MENU.
3. Select 1.TRAPEZ with the FUNCTION UP/DOWN key.
4. Set the initial setting value of TRAPEZ with the FUNCTION - or + key.
5. Adjust TRAPEZ and bring the VERTICAL lines at the right and left edges of the screen parallel
6. Press the MENU key and memorize the set value.</td></tr>
<tr><td>Adjustment of V-SHIFT</td><td></td><td></td><td>2.V-SHIFT</td><td>7. Receive a circle pattern signal
8. Select 2.V-SHIFT and set the initial setting value.
9. Adjust V-SHIFT to make A = B.
10. Press the MENU key and memorize the set value.</td></tr>
<tr><td>Adjustment of V-SIZE</td><td></td><td></td><td>3.V. SIZE</td><td>11. Receive a cross-hatch signal.
12. Select 3.V-SIZE and set the initial setting value.
13. Adjust V-SIZE and make sure that the vertical screen size of the picture size is in the bellow table.
14. Press the MENU key and memorize the set value.</td></tr>
</table>

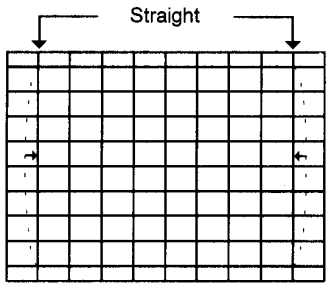




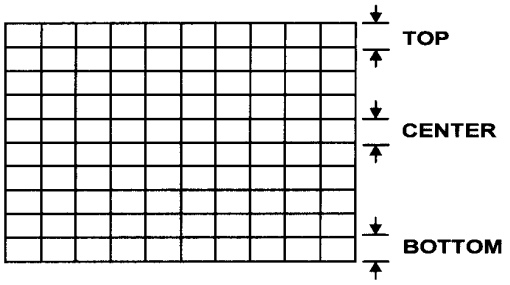


	REGULAR	ZOOM1	ZOOM2
50Hz	92%	80%	74%
60Hz	90%	78%	72%

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>Adjustment of H.CENTER
 
</td><td></td><td></td><td>4.H-CENT.</td><td>15. Receive a circle pattern signal.
Select 4.H-CENT and set the initial setting value.
16. Adjust H-CENT to make C=D.
17. Press the MENU key and memorize the set value.</td></tr>
<tr><td>Adjustment of H.SIZE</td><td></td><td></td><td>5.H-SIZE</td><td>19. Receive a cross-hatch signal.
20. Select 5.H-SIZE and set the initial setting value.
21. Adjust H-SIZE and make sure that the horizontal screen size of the picture size is in the bellow table.
22. Press the MENU key and memorize the set value.

<table>
<tr><th>MODE / MODEL</th><th></th><th>REGULAR</th><th>ZOOM1</th><th>ZOOM2</th></tr>
<tr><td rowspan="2">AV-29TS4EE
AV-29TS4EN</td><td>50Hz</td><td>92%</td><td>85%</td><td>85%</td></tr>
<tr><td>60Hz</td><td>90%</td><td>83%</td><td>83%</td></tr>
<tr><td rowspan="2">AV-29TS4EP</td><td>50Hz</td><td>91%</td><td>85%</td><td>85%</td></tr>
<tr><td>60Hz</td><td>90%</td><td>83%</td><td>83%</td></tr>
</table></td></tr>
<tr><td>Adjustment of EW-PIN
 
</td><td></td><td></td><td>6.EW-PIN</td><td>23. Select 6.EW-PIN and set the initial setting value
24. Adjust EW-PIN and make the 1st.vertical lines at the left and right edges of the screen straight. Also make sure that the 2 nd vertical lines are also straight.
25. Press the MENU key and memorize the set value.</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of V.S-CR & V.EDGE			**7. V.S-CR** **8. V-EDGE**	• **When the vertical linearity has been deteriorated remarkably, Perform the following steps.** 26. Receive a cross-hatch signal. 27. Select 7. V- S.CR and set the initial setting value. 28. Select 8. V-EDGE and set the initial setting value. 29. Adjust 7. V-S.CR and 8. V-EDGE so that the spaces of each line on TOP, CENTER, and BOTTOM become uniform. 30. Press the MENU Key and memorize the set value.
Adjustment of EW-COR			**9. EW-COR**	31. Select 9.EW-COR and set the initial setting value. 32. Adjust EW-COR and make the vertical lines at the four corners of the screen straight. 33. Press the MENU key and memorize the set value.
				34. Make sure that the adjustment is properly done on the screen of other mode. [NOTE] • When adjust again, adjust 50Hz mode first.



AUDIO CIRCUIT

- Do not touch 3.AUDIO (1. CONC LIMIT, 2. A2 ID THR) of the SERVICE MENU as it requires no adjustment.

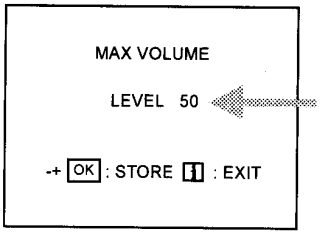
3. AUDIO

Setting item	Variable range	fixed value
1. CONC LIMIT***(Do not adjust)***	00H~FFH	0AH
2. A2 ID THR***(Do not adjust)***	00H~FFH	19H

SETTING of MAX VOLUME

●This model has a function that can set MAX VOLUME in the SERVICE MENU. **(Do not adjust them under normal condition)**

Item	Measuring instrument	Test point	Adjustment part	Description
Setting of MAX VOLUME	**Remote Control unit**		**MAX VOLUME**	1. Select 8. MAX VOLUME from the SERVICE MENU. 2. Set the setting value with the FUNCTION -/+ key. 3. Usually, set the value to LEVEL 50.



AV-29TS4EE AV-29TS4EN AV-29TS4EP STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	:PAL Colour bar signal
(2)Setting positions of each knob/button and variable resistor	:Original setting position when shipped
(3)Internal resistance of tester	:DC 20kΩ/V
(4)Oscilloscope sweeping time	:H ⇒ 20μS/div :V ⇒ 5mS/div :Others ⇒ Sweeping time is specified
(5)Voltage values	:All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

●In the PW board :R1209→R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

●Resistance value

No unit	:[Ω]
K	:[KΩ]
M	:[MΩ]

●Rated allowable power

No indication	:1/10[W]
Others	:As specified

●Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflammble resistor
FR	:Fusible resistor

*Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

●Capacitance value

1 or higher	:[pF]
less than 1	:[μF]

●Withstand voltage

No indication	:DC50[V]
AC indication	:AC withstand voltage [V]
Others	:DC withstand voltage [V]

*Electrolytic Capacitors

47/50[Example]:Capacitance value [μF]/withstand voltage[V]

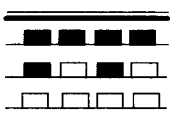
●Type

No indication	:Ceramic capacitor
MY	:Mylar capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

No unit	:[μH]
Others	:As specified

(4)Power Supply



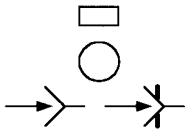
:B1
:B2(12V)
:9V
:5V

*Respective voltage values are indicated

(5)Test point

:Test point
:Only test point display

(6)Connecting method



:Connector
:Wrapping or soldering
:Receptacle

(7)Ground symbol

⊥ :LIVE side ground
⏚ :ISOLATED(NEUTRAL) side ground
⏚ :EARTH ground
▽ :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇**Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

Feb. 1999 No.51522

AV-29TS4EE
AV-29TS4EN
AV-29TS4EP

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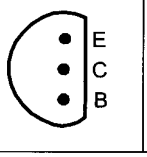
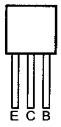
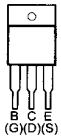
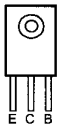
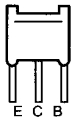
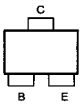
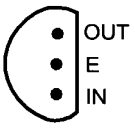
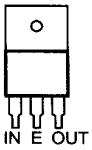
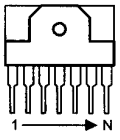
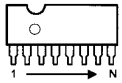
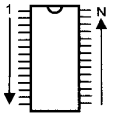
SEMICONDUCTOR SHAPES

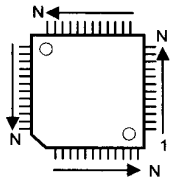
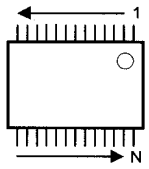
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

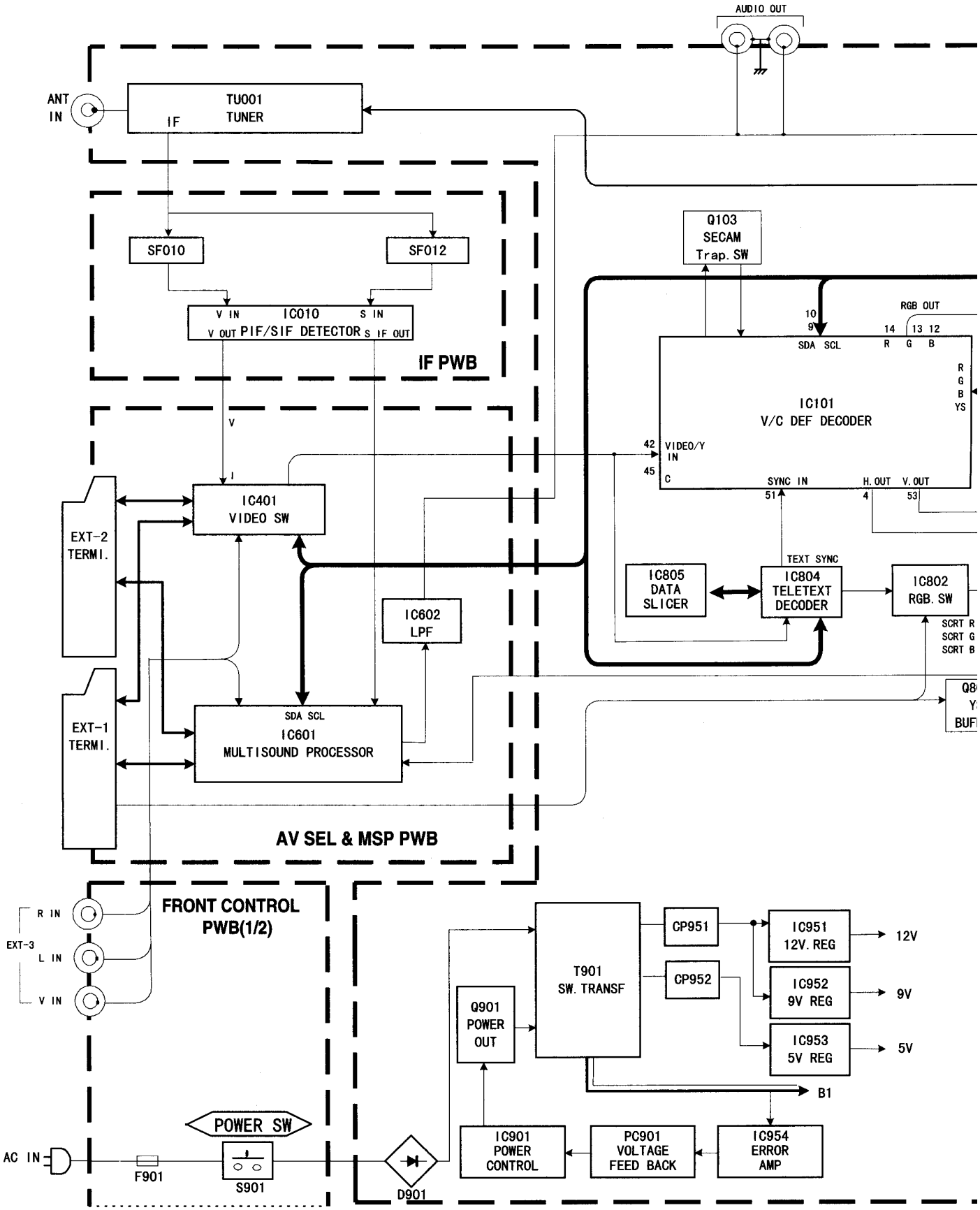
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

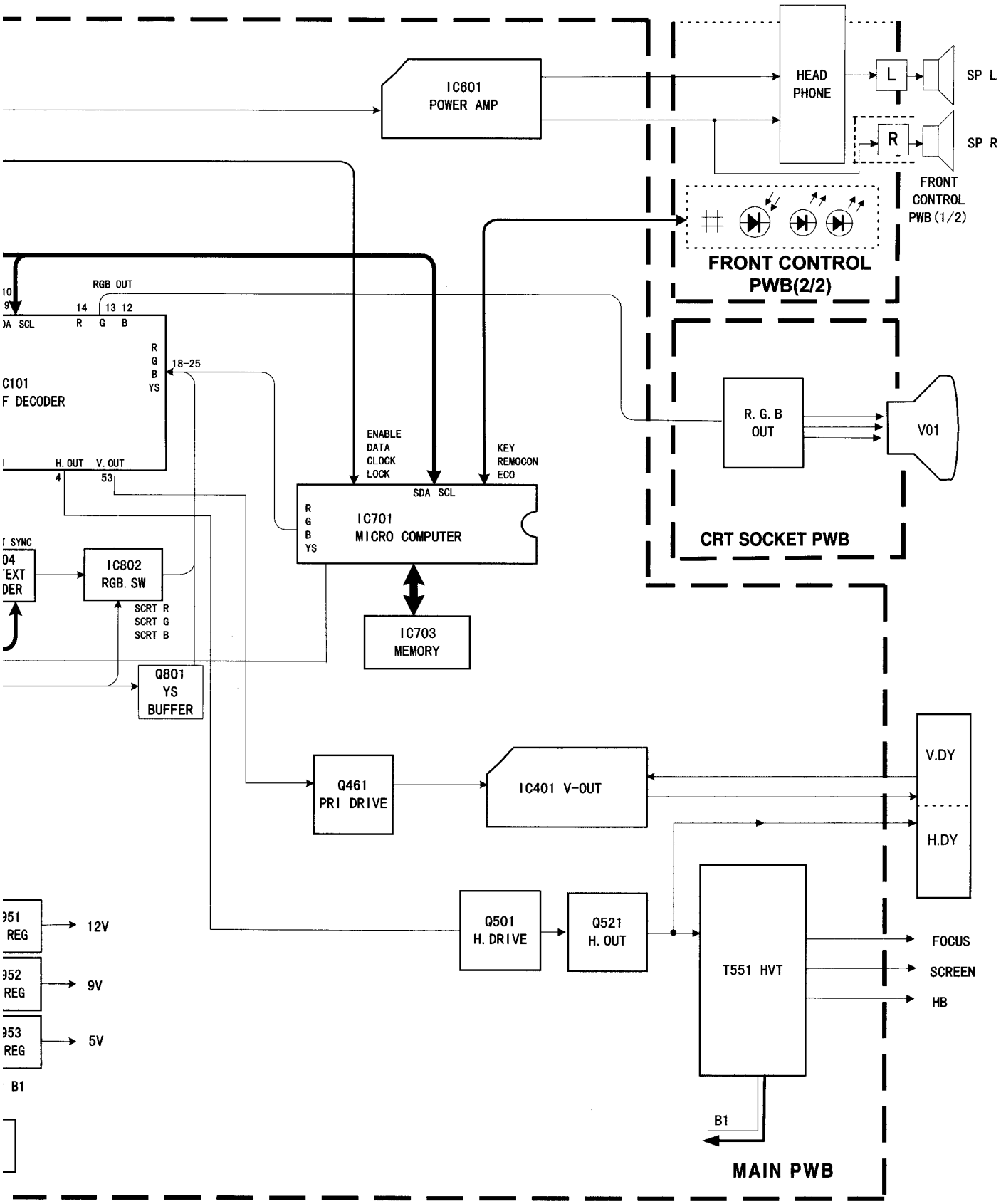
CHIP IC

TOP VIEW		
		

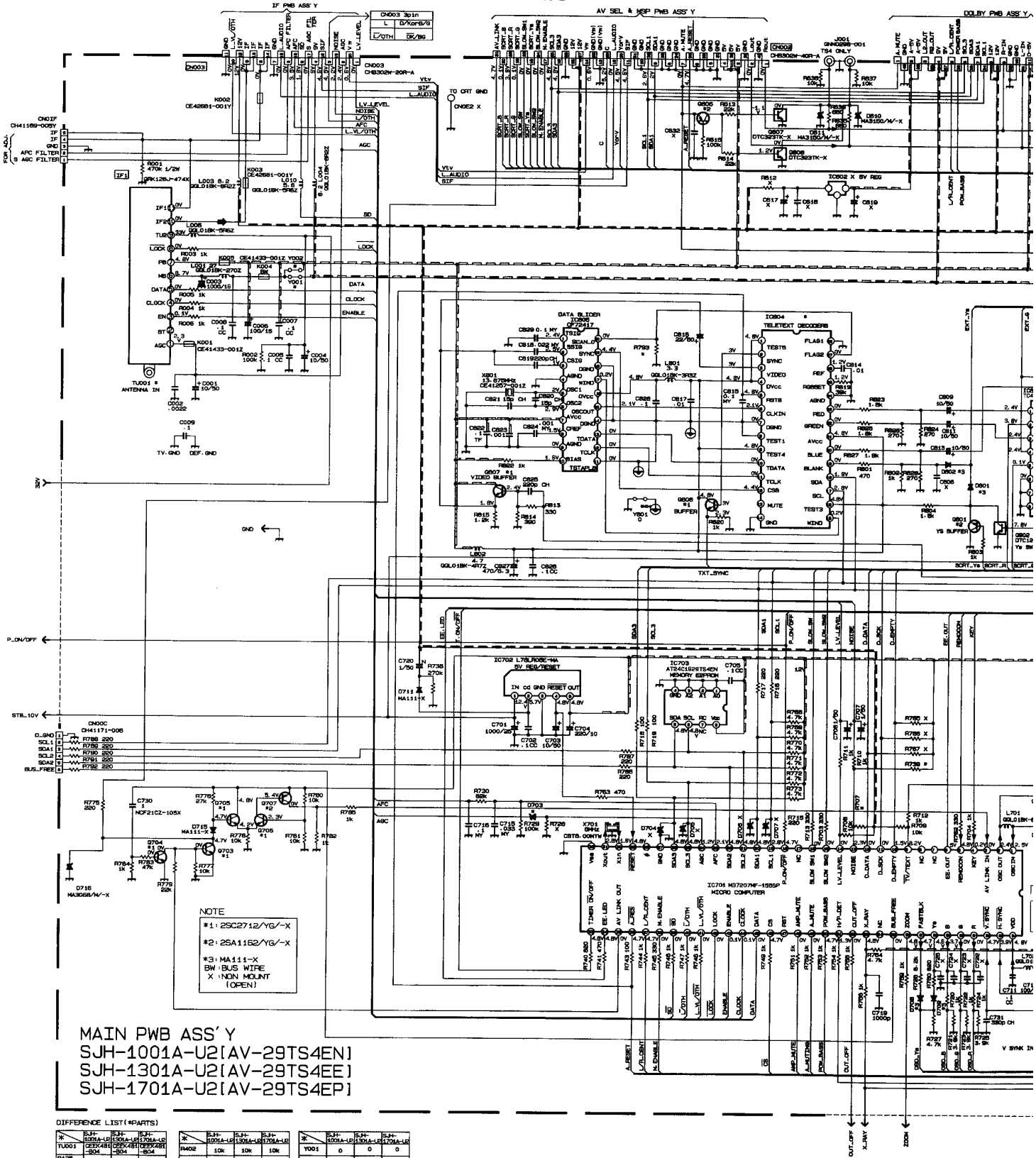
BLOCK DIAGRAM



29TS4EE AV-29TS4EE
29TS4EN AV-29TS4EN
29TS4EP AV-29TS4EP



CIRCUIT DIAGRAMS *MAIN PWB CIRCUIT DIAGRAMS*



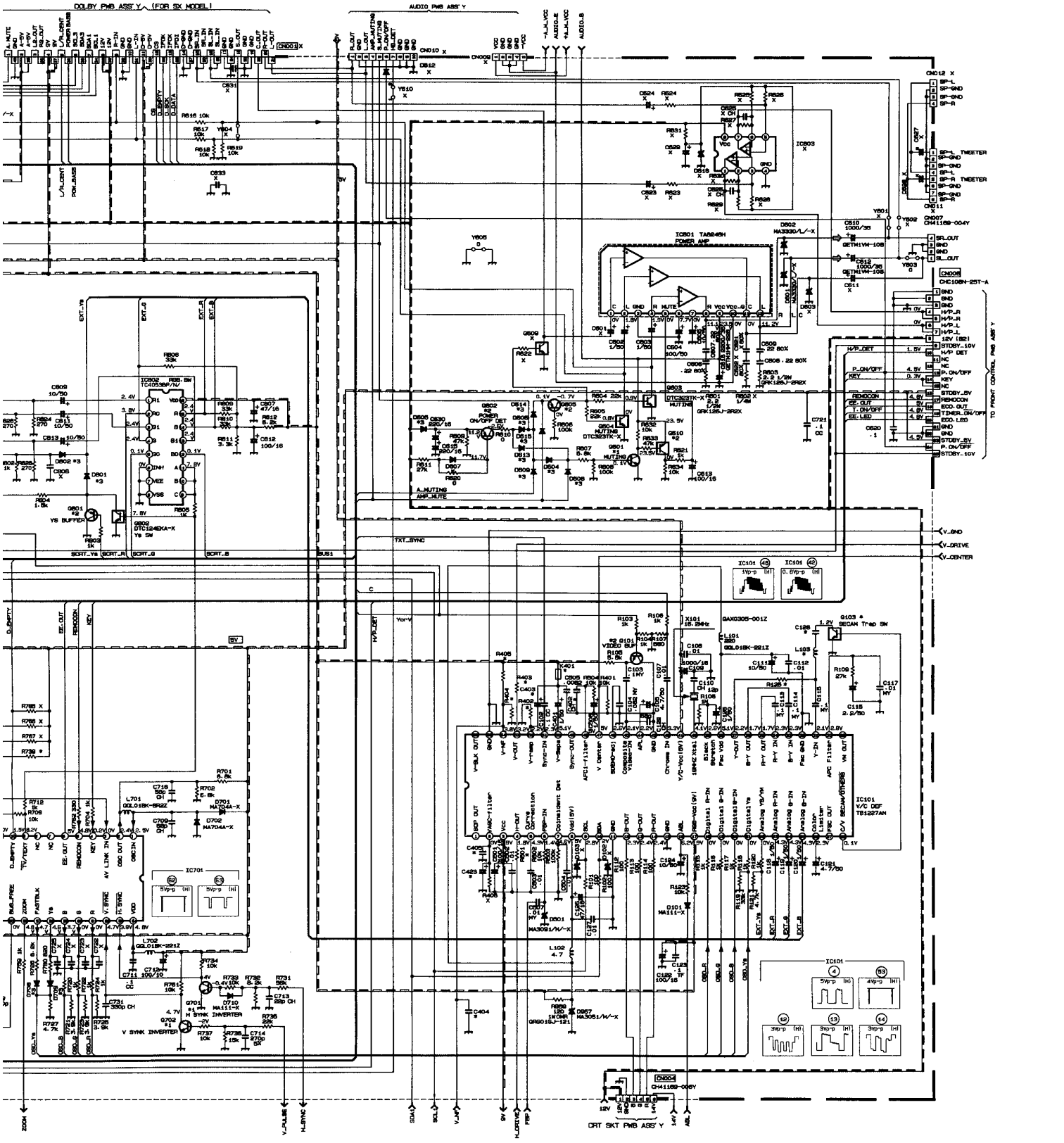
MAIN PWB ASS'Y
SJH-1001A-U2[AV-29TS4EN]
SJH-1301A-U2[AV-29TS4EE]
SJH-1701A-U2[AV-29TS4EP]

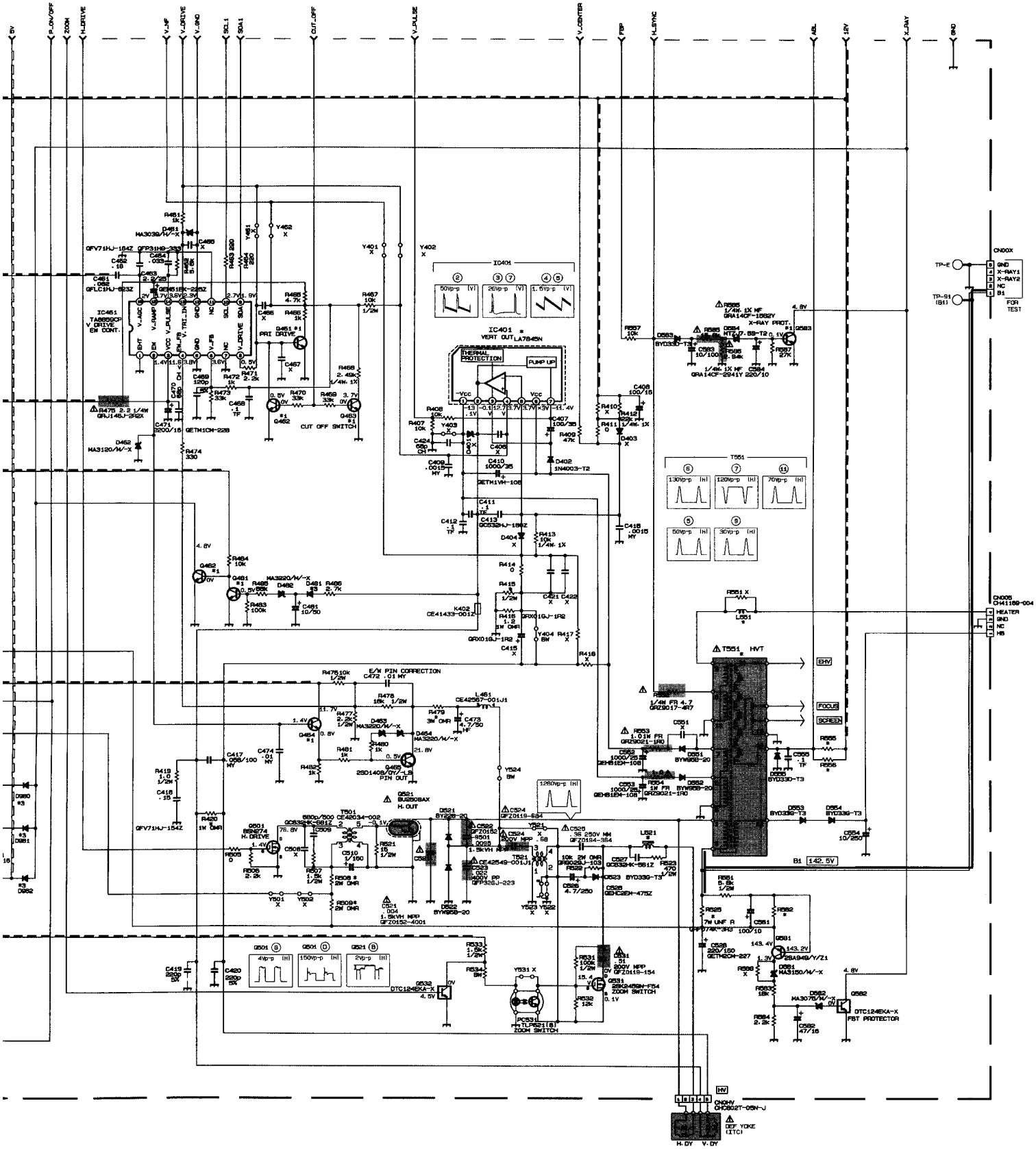
DIFFERENCE LIST(*PARTS)

*	SJH-1001A-U2	SJH-1301A-U2	SJH-1701A-U2
TU001	CE5X48I-804	CE5X48I-804	CE5X48I-804
R125	470	470	470
L103	GQL018K-3302	GQL018K-3302	GQL018K-3302
Q103	DTC144 EKA-X	DTC144 EKA-X	DTC144 EKA-X
C128	NDC21H-380X	NDC21H-380X	NDC21H-380X
R107	560	560	560
K401	8W	8W	8W
C402	X	X	X
C403	X	X	X
C404	X	X	X
C405	X	X	X

*	SJH-1001A-U2	SJH-1301A-U2	SJH-1701A-U2
R402	10k	10k	10k
R403	5.6k	5.6k	5.6k
R404	18k	18k	18k
R405	22k	22k	22k
D703	X	X	X
IC804	CF70208	CF70211	CF70205
R793	100k	RSL103J-0R0X	100k
R801	680	680	680
C423	X	X	X
R707	X	X	10k
R739	47k	47k	X

*	SJH-1001A-U2	SJH-1301A-U2	SJH-1701A-U2
Y001	0	0	0
Y002	X	X	X
R501	560	560	560
R405	1k	1k	1k
R729	120k	120k	100k
R730	68k	68k	82k


DOLBY PWB ASS'Y (FOR SX MODEL)
AUDIO PWB ASS'Y
IC801 TA8245H POWER AMP
IC101 V/C DEF TB1227AN
IC701
CRT SKT PWB ASS'Y
TO FRONT CONTROL PWB ASS'Y
TWEETER
V_GND
V_DRIVE
V_CENTER
V SYNK INVERTER
H SYNK INVERTER
YS BUFFER
SECAM Trap SW
VIDEO BUF
MUTING
POWER ON/OFF DET
A_MUTING
AMP_MUTE
ZOOM
V_PULSE
H_SYNC
SDA
SCL
V_OUT
H_DRIVE
FBP


8V
P-ON/OFF
ZOOM
H-DRIVE
V-NF
V-DRIVE
V-GND
SCL1
SDA1
CUT-OFF
V-PULSE
V-CENTER
FBP
H-SYNC
ABL
12V
X-RAY
GND
IC401
VERT OUT LA7845N
THERMAL PROTECTION
PUMP UP
T551
HVT
EHV
FOCUS
SCREEN
E/W PIN CORRECTION
H. OUT
H. DRIVE
ZOOM SWITCH
FBT PROTECTOR
DEF YOKE (ITC)
H. DY
V. DY
TEST

NOTE

*1: 2SC2712/YG/-X
*2: 2SA1162/YG/-X
*3: MA111-X
BW: BUS WIRE
X: NON MOUNT (OPEN)

MAIN PWB ASS'Y
SJH-1001A-U2[AV-29TS4EN]
SJH-1301A-U2[AV-29TS4EE]
SJH-1701A-U2[AV-29TS4EP]

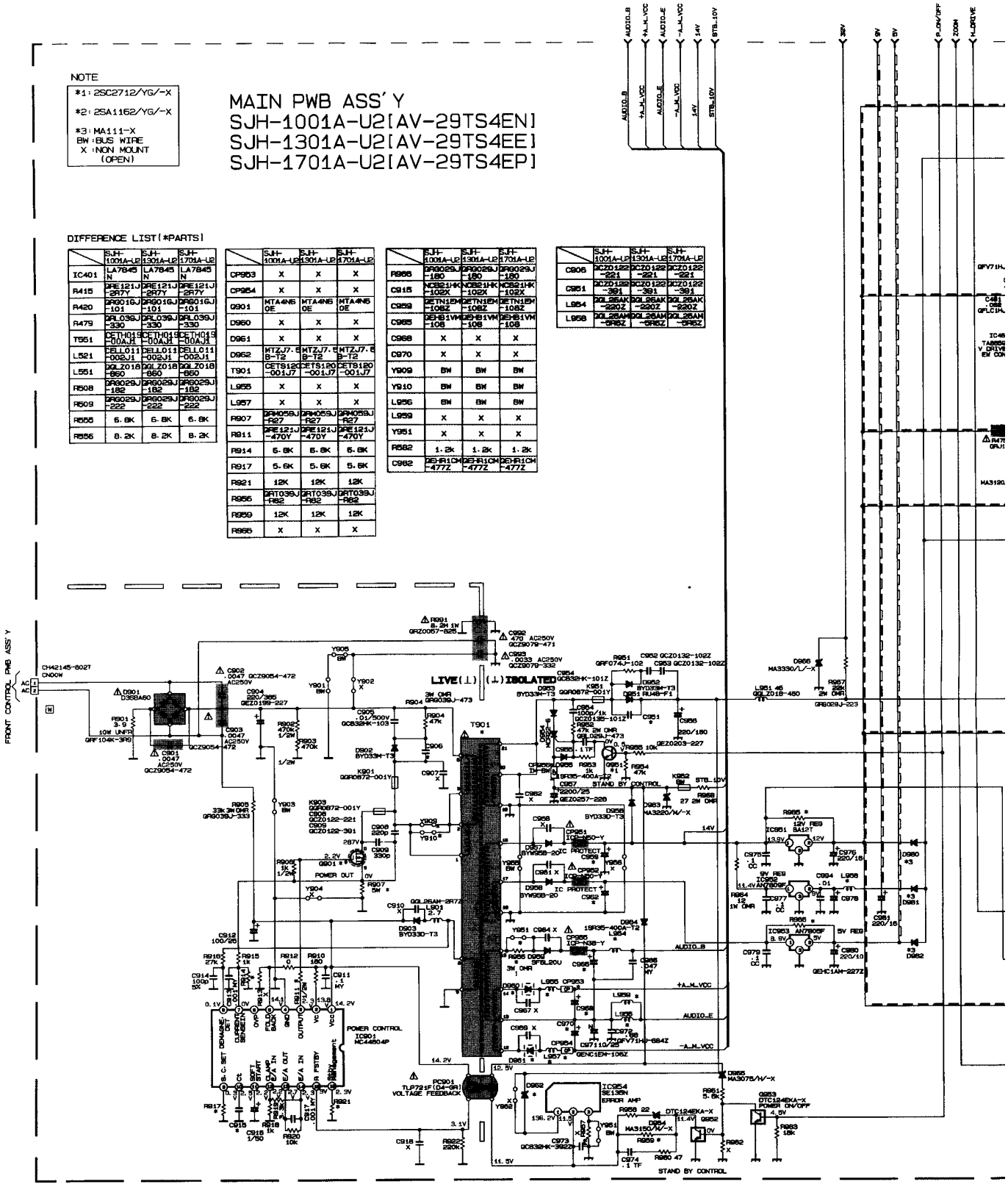
DIFFERENCE LIST[*PARTS]

	SJH-1001A-U2	SJH-1301A-U2	SJH-1701A-U2
IC401	LA7845 N	LA7845 N	LA7845 N
R415	QRE121J -2R7Y	QRE121J -2R7Y	QRE121J -2R7Y
R420	QR6016J -101	QR6016J -101	QR6016J -101
R479	QRL036J -330	QRL036J -330	QRL036J -330
T551	QETH019 -00AJ1	QETH019 -00AJ1	QETH019 -00AJ1
L521	QELL011 -002J1	QELL011 -002J1	QELL011 -002J1
L551	QQLZ018 -860	QQLZ018 -860	QQLZ018 -860
R508	QR6029J -182	QR6029J -182	QR6029J -182
R509	QR6029J -222	QR6029J -222	QR6029J -222
R555	6.8K	6.8K	6.8K
R556	8.2K	8.2K	8.2K

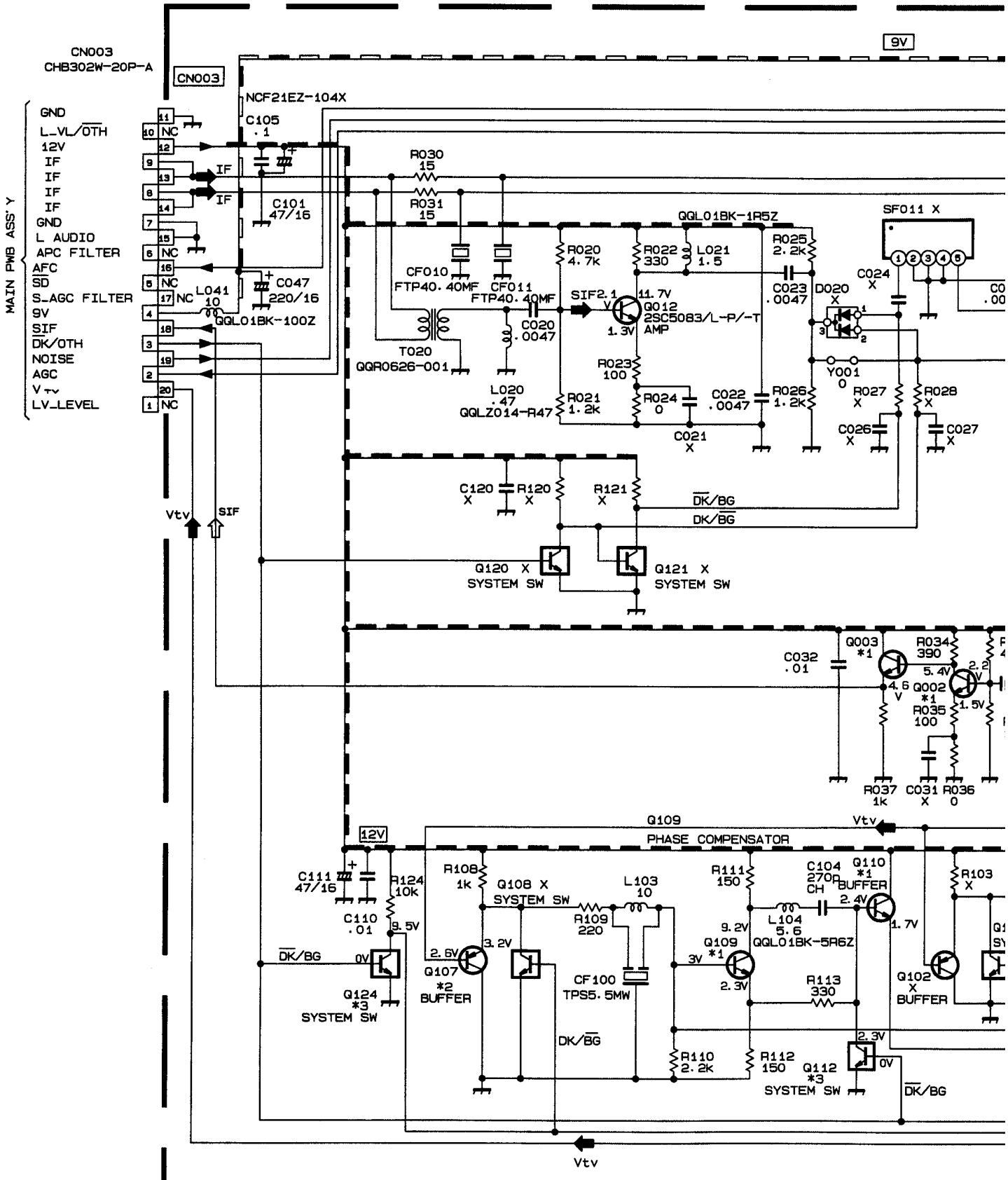
	SJH-1001A-U2	SJH-1301A-U2	SJH-1701A-U2
CP953	X	X	X
CP954	X	X	X
Q901	MTA4N6 0E	MTA4N6 0E	MTA4N6 0E
D960	X	X	X
D961	X	X	X
D962	MTZJ7.5 B-T2	MTZJ7.5 B-T2	MTZJ7.5 B-T2
T901	QETS120 -001J7	QETS120 -001J7	QETS120 -001J7
L955	X	X	X
L957	X	X	X
R907	QRM059J -R27	QRM059J -R27	QRM059J -R27
R911	QRE121J -470Y	QRE121J -470Y	QRE121J -470Y
R914	5.6K	5.6K	5.6K
R917	5.6K	5.6K	5.6K
R921	12K	12K	12K
R956	QRT039J -R82	QRT039J -R82	QRT039J -R82
R959	12K	12K	12K
R965	X	X	X

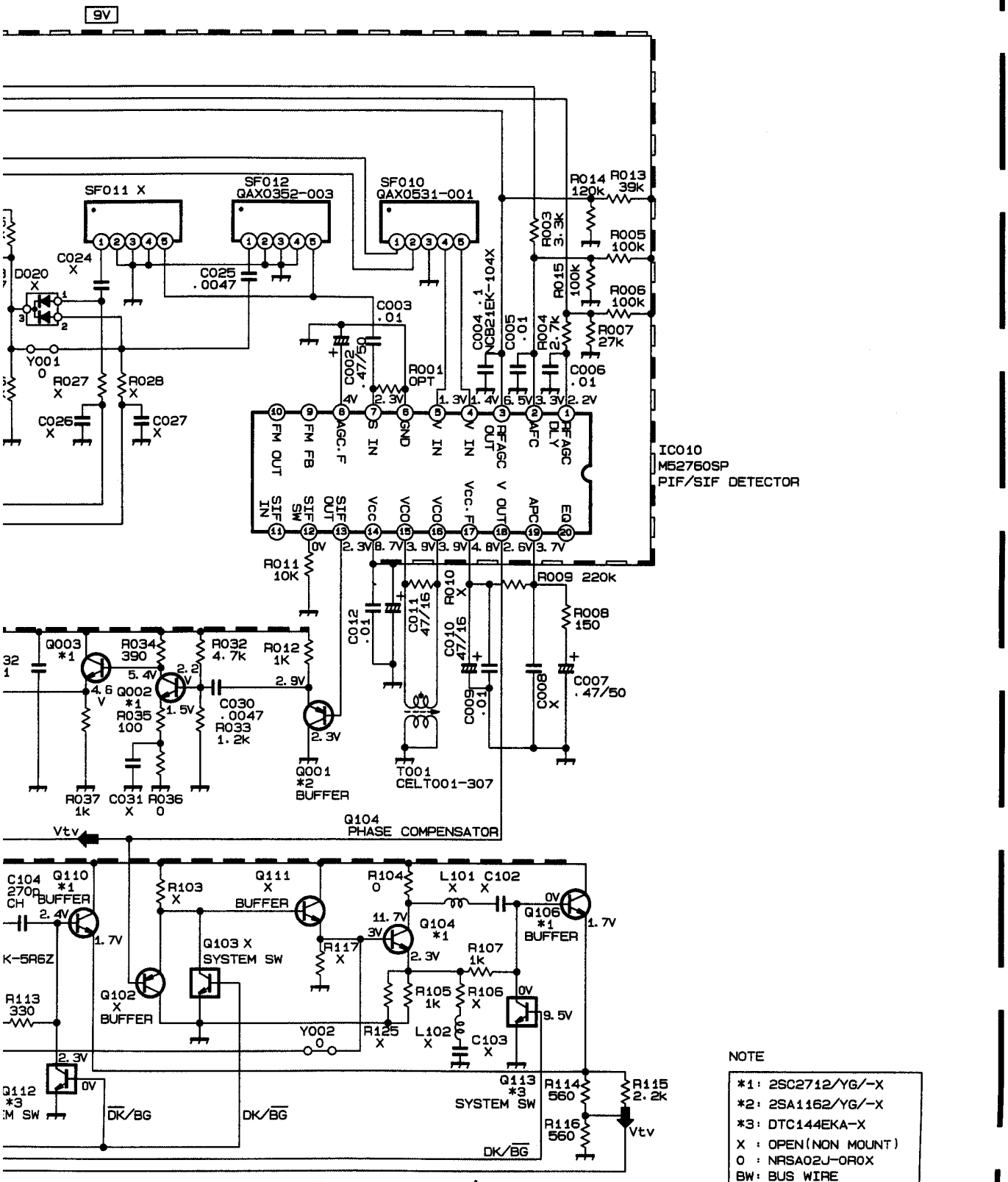
	SJH-1001A-U2	SJH-1301A-U2	SJH-1701A-U2
R988	QR6029J -180	QR6029J -180	QR6029J -180
C915	NCB21HK -102X	NCB21HK -102X	NCB21HK -102X
C959	QETN1EM -106Z	QETN1EM -106Z	QETN1EM -106Z
C965	QEHB1VM -108	QEHB1VM -108	QEHB1VM -108
C968	X	X	X
C970	X	X	X
Y909	BW	BW	BW
Y910	BW	BW	BW
L956	BW	BW	BW
L959	X	X	X
Y951	X	X	X
R562	1.2k	1.2k	1.2k
C982	QEHR1CM -477Z	QEHR1CM -477Z	QEHR1CM -477Z

	SJH-1001A-U2	SJH-1301A-U2	SJH-1701A-U2
C906	QCZ0122 -221	QCZ0122 -221	QCZ0122 -221
C951	QCZ0122 -391	QCZ0122 -391	QCZ0122 -391
L954	QQL26AK -220Z	QQL26AK -220Z	QQL26AK -220Z
L958	QQL26AM -5R6Z	QQL26AM -5R6Z	QQL26AM -5R6Z



WB CIRCUIT DIAGRAM [For EE, EN Model]



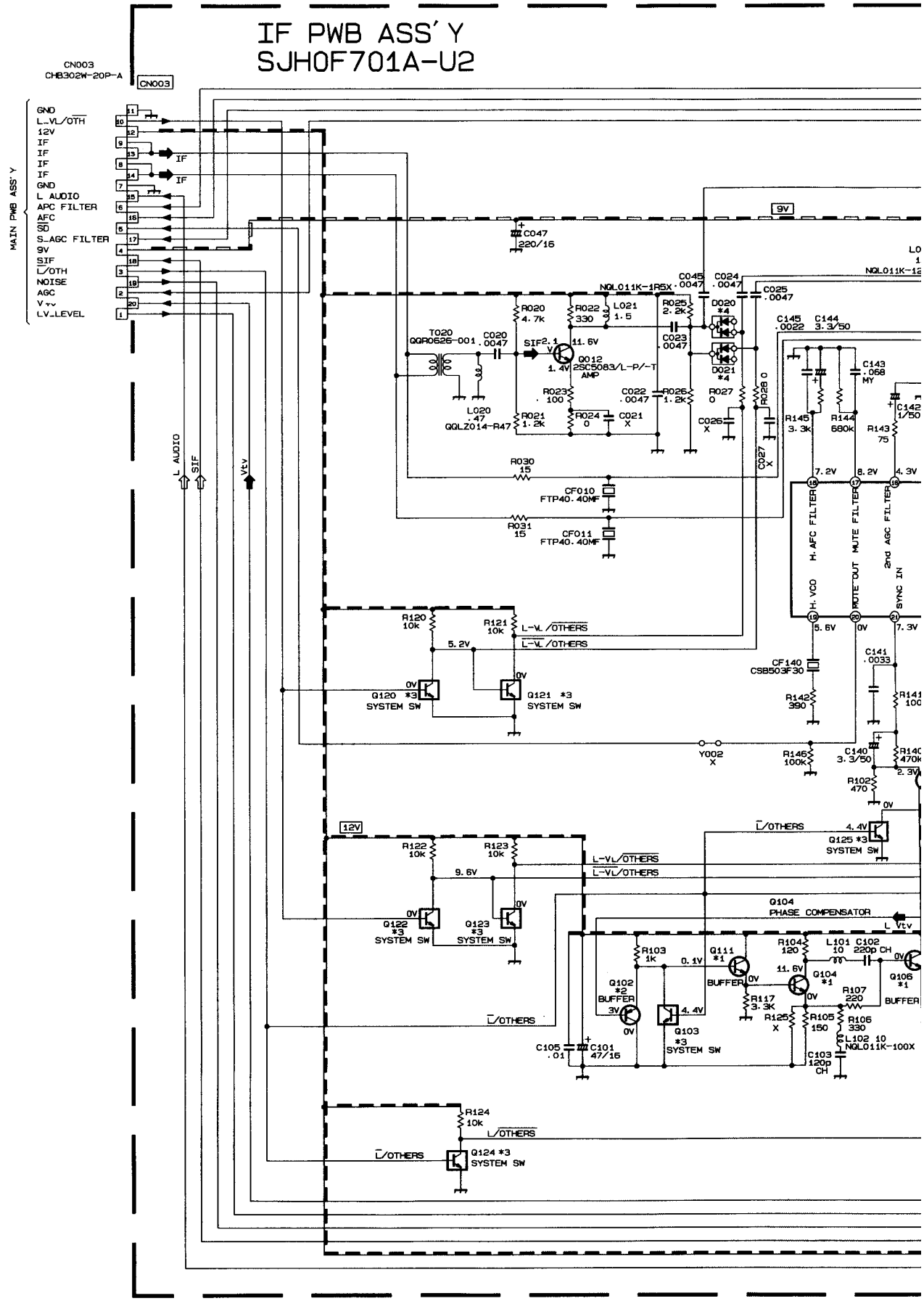


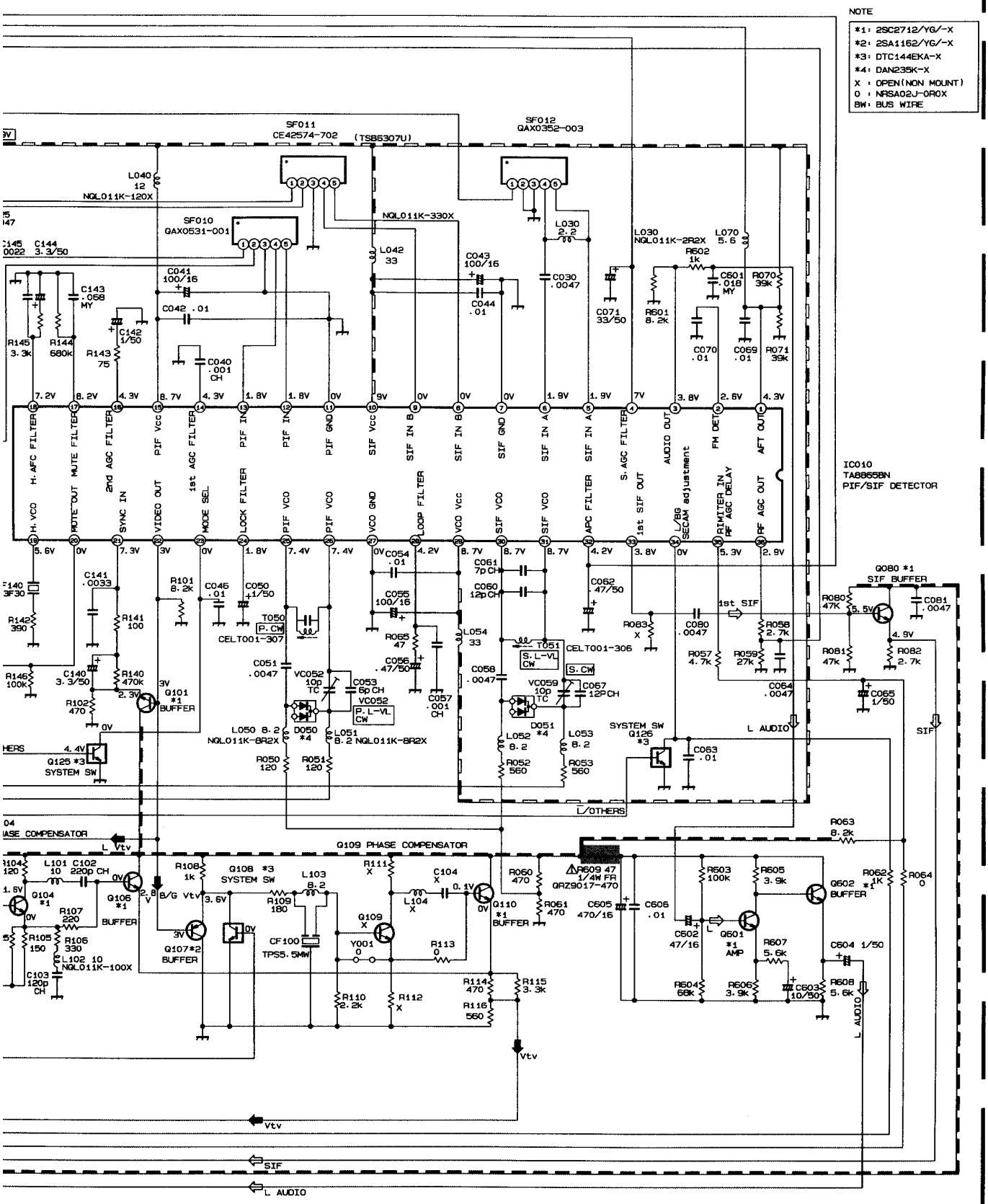
NOTE

*1: 2SC2712/YG/-X
*2: 2SA1162/YG/-X
*3: DTC144EKA-X
X : OPEN(NON MOUNT)
0 : NRSA02J-0R0X
BW: BUS WIRE

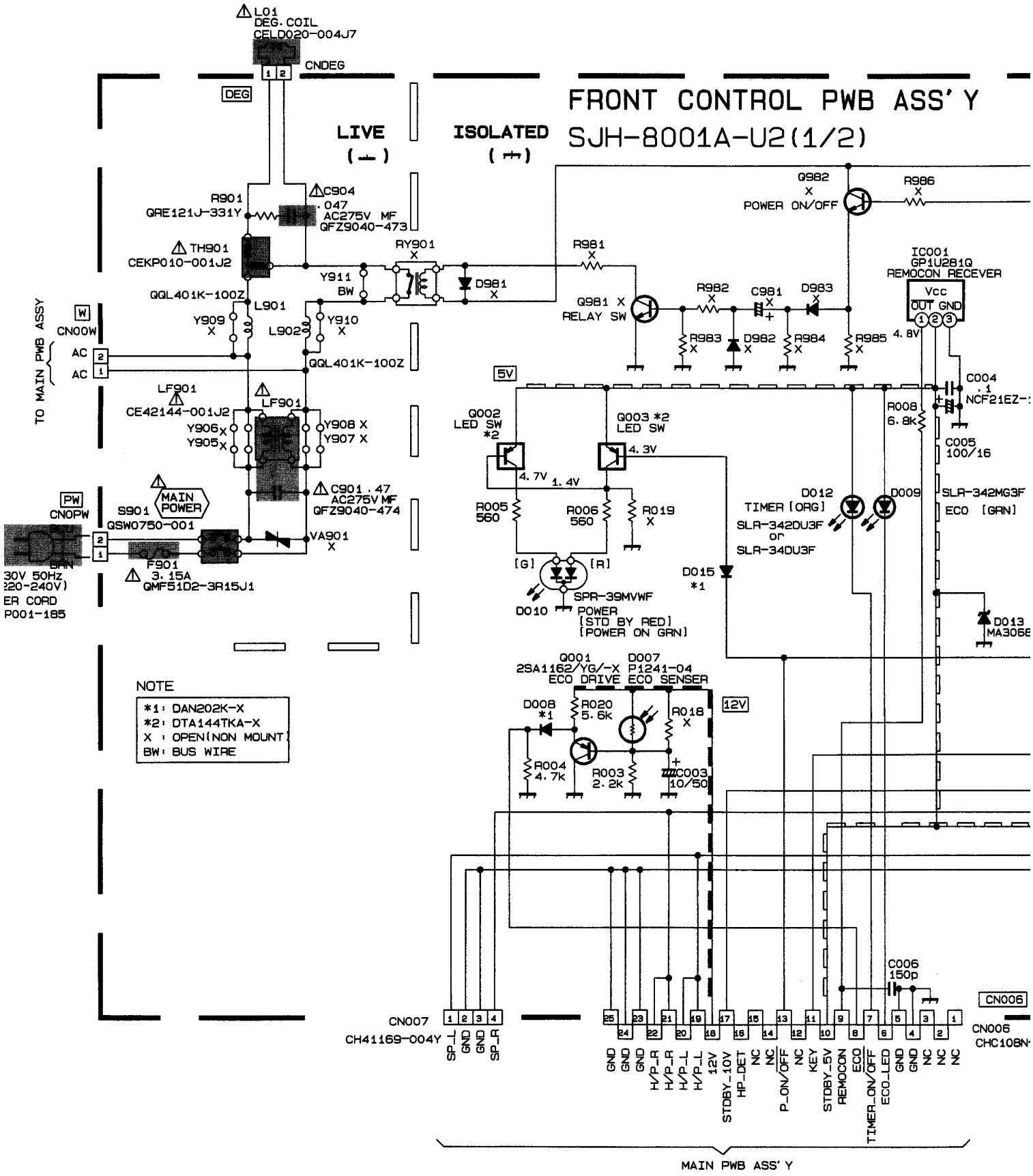
IF PWB ASS'Y
SJH0F001A-U2[AV-29TS4EN]
SJH0F301A-U2[AV-29TS4EE]

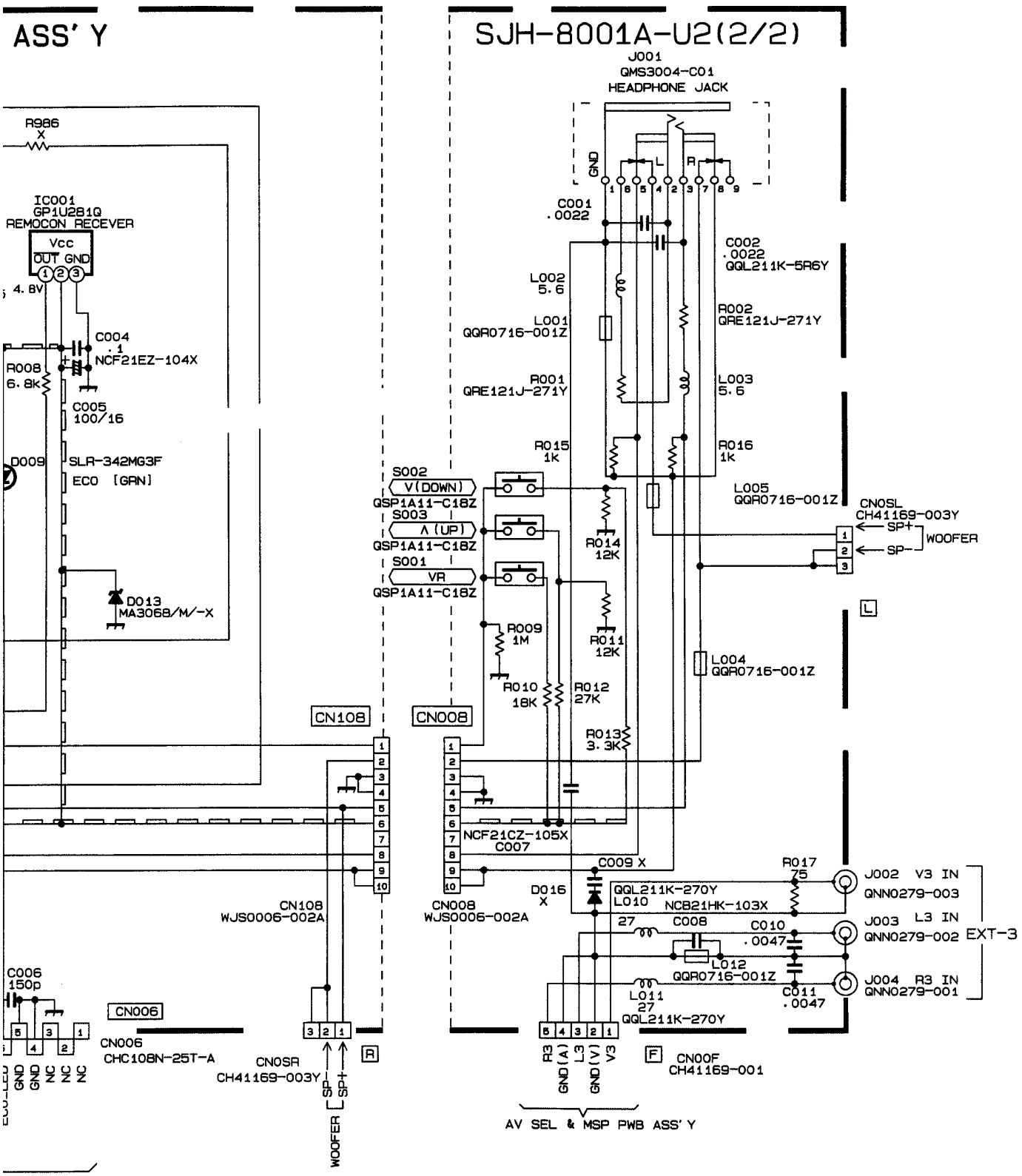
IF PWB CIRCUIT DIAGRAM [For EP Model]



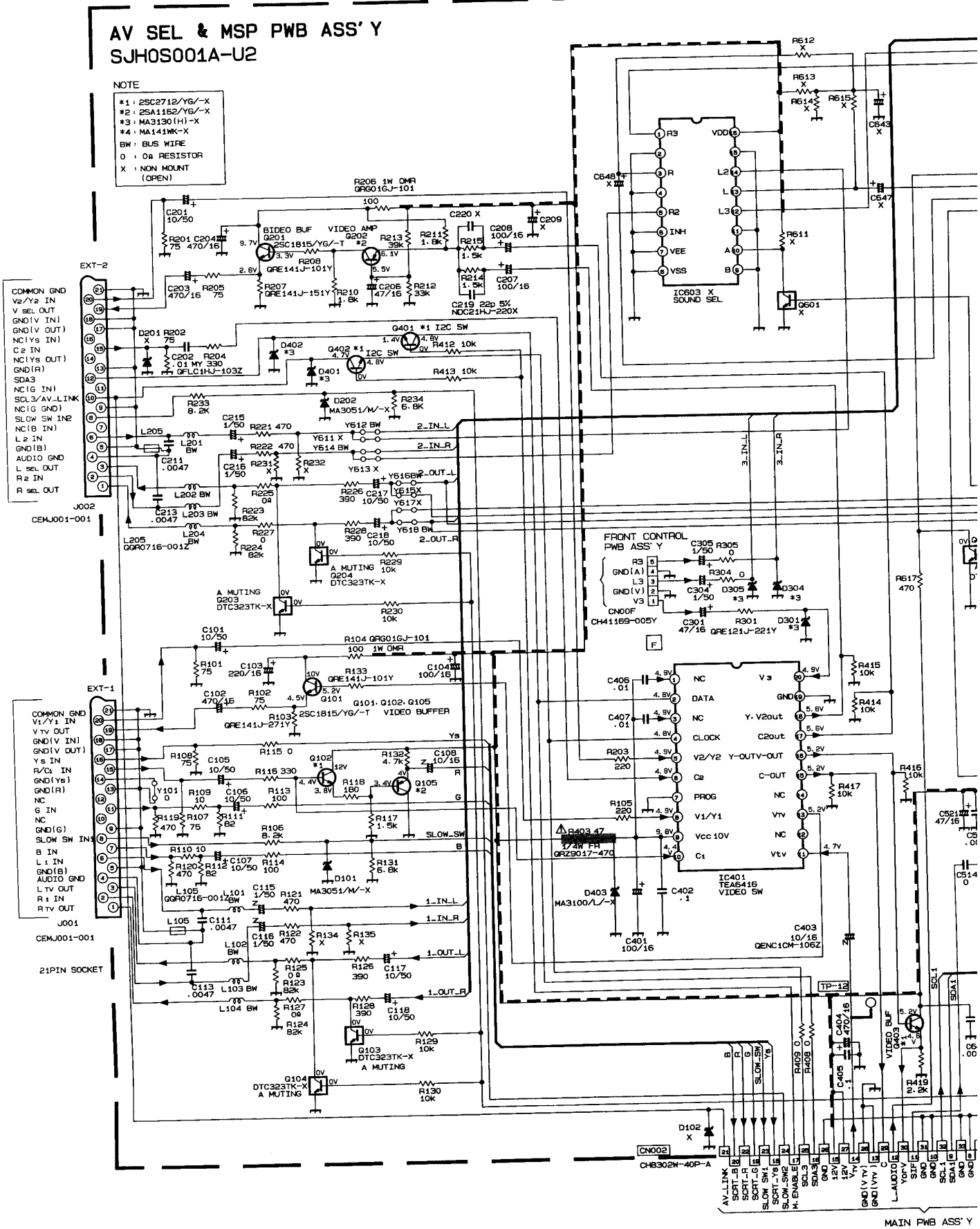

NOTE
*1: 2SC2712/YG/-X
*2: 2SA1162/YG/-X
*3: DTC144EKA-X
*4: DAN235K-X
X : OPEN(NON MOUNT)
0 : NRSA02J-0R0X
BW: BUS WIRE
SF011 CE42574-702 (TSB5307U)
SF012 QAX0352-003
SF010 QAX0531-001
IC010 TA8865BN PIF/SIF DETECTOR
H. AFC FILTER
MUTE OUT
2nd AGC FILTER
PIF Vcc
1st AGC FILTER
PIF IN
PIF IN
PIF GND
SIF Vcc
SIF IN B
SIF IN B
SIF GND
SIF IN A
SIF IN A
S. AGC FILTER
AUDIO OUT
FM DET
AFT OUT
H. VCO
MUTE OUT
SYNC IN
VIDEO OUT
MODE SEL
LOCK FILTER
PIF VCO
PIF VCO
VCO GND
LOOP FILTER
VCO Vcc
SIF VCO
SIF VCO
APC FILTER
1st SIF OUT
L/BG SECAM adjustment
LIMITER IN RF AGC DELAY
RF AGC OUT
Q080 *1 SIF BUFFER
Q101 *1 BUFFER
Q125 *3 SYSTEM SW
Q126 *3
Q104 *1
Q106 *1 BUFFER
Q107*2 BUFFER
Q108 *3 SYSTEM SW
Q109 PHASE COMPENSATOR
Q110 *1 BUFFER
Q601 *1 AMP
Q602 *1 BUFFER
D050 *4
D051 *4
CELT001-307
CELT001-306
CF100 TPS5.5MW
L/OTHERS
L AUDIO
SIF
Vtv

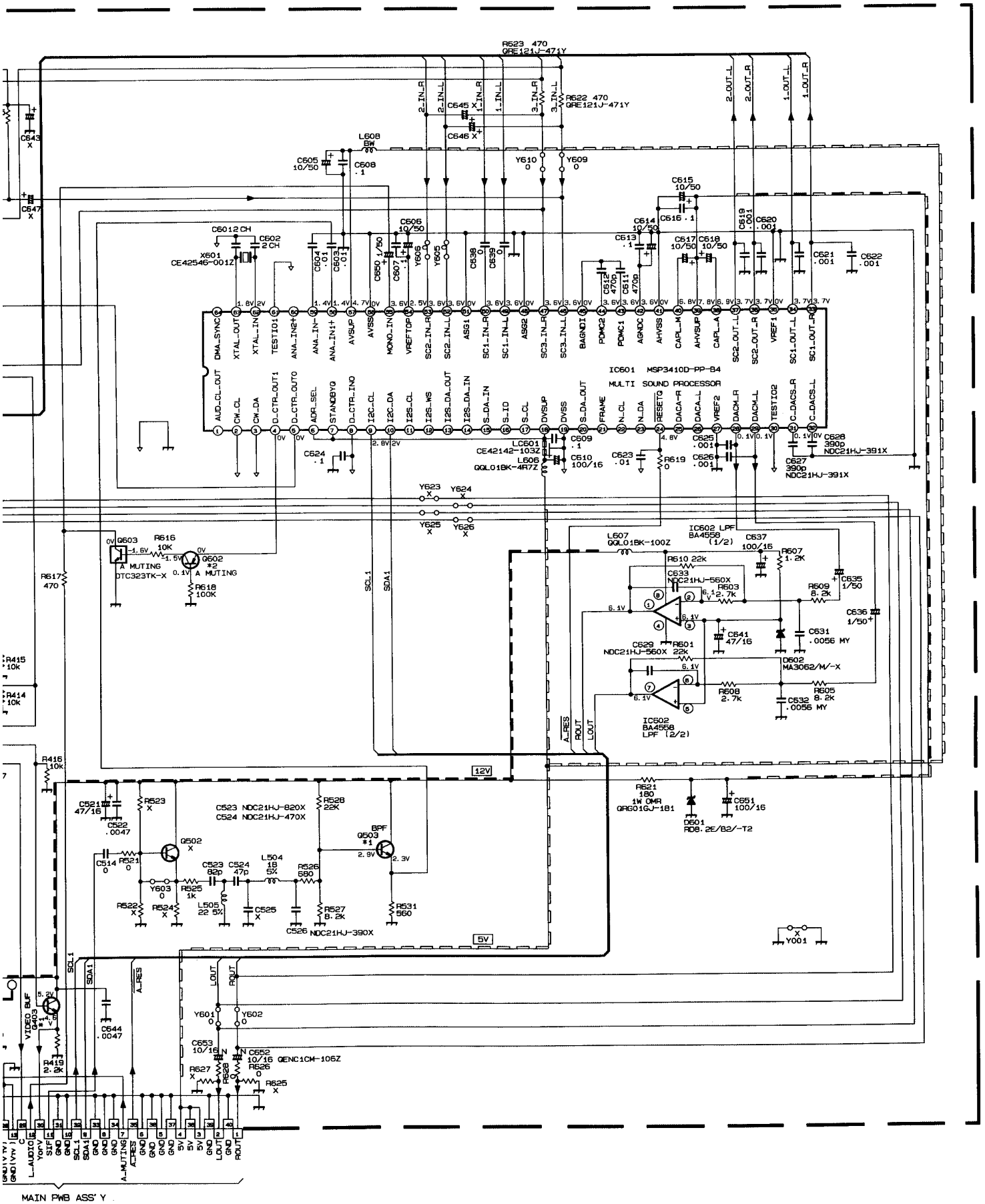
NT CONTROL PWB CIRCUIT DIAGRAM



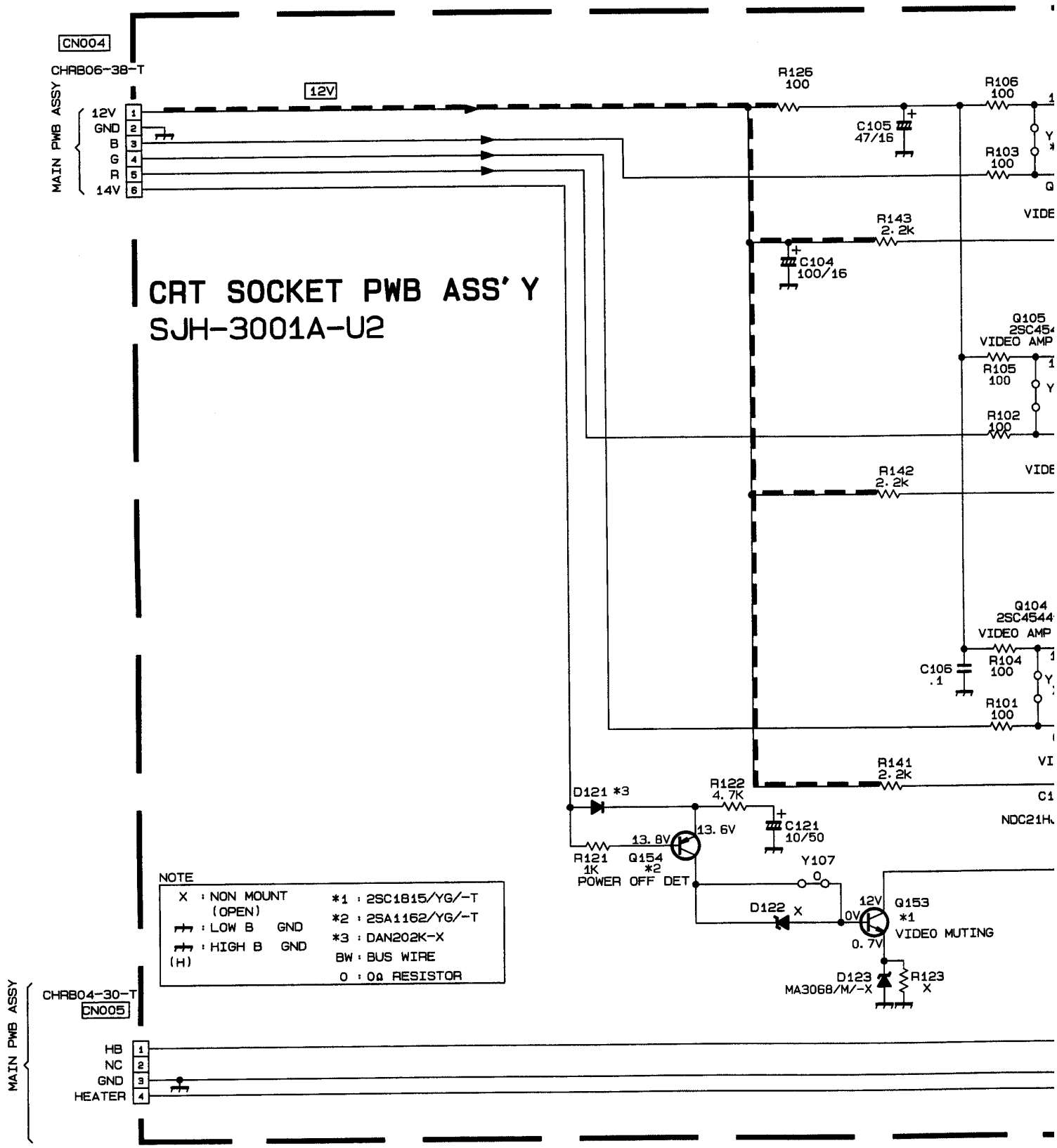

ASS' Y
SJH-8001A-U2(2/2)
J001
QMS3004-C01
HEADPHONE JACK
GND
L
R
C001
.0022
C002
.0022
QQL211K-5R6Y
L002
5.6
L001
QQR0716-001Z
R002
QRE121J-271Y
R001
QRE121J-271Y
L003
5.6
R015
1K
R016
1K
L005
QQR0716-001Z
CN0SL
CH41169-003Y
SP+
SP-
WOOFER
S002
V(DOWN)
QSP1A11-C18Z
S003
∧(UP)
QSP1A11-C18Z
S001
VR
QSP1A11-C18Z
R014
12K
R011
12K
R009
1M
R010
18K
R012
27K
R013
3.3K
L004
QQR0716-001Z
CN108
CN008
NCF21CZ-105X
C007
C009 X
D016
X
QQL211K-270Y
L010
NCB21HK-103X
R017
75
J002 V3 IN
QNN0279-003
27
C008
C010
.0047
J003 L3 IN
QNN0279-002
EXT-3
L012
QQR0716-001Z
C011
.0047
J004 R3 IN
QNN0279-001
L011
27
QQL211K-270Y
CN008
WJS0006-002A
CN108
WJS0006-002A
R986
X
IC001
GP1U281Q
REMOCON RECEVER
Vcc
OUT GND
4.8V
C004
.1
NCF21EZ-104X
R008
6.8K
C005
100/16
D009
SLR-342MG3F
ECO [GRN]
D013
MA3068/M/-X
C006
150p
CN006
CHC108N-25T-A
CN006
CN0SR
CH41169-003Y
SP-
SP+
WOOFER
R3
GND(A)
L3
GND(V)
V3
CN00F
CH41169-001
AV SEL & MSP PWB ASS' Y

AV SEL & MSP PWB CIRCUIT DIAGRAM




IC601 MSP3410D-PP-B4
MULTI SOUND PROCESSOR
IC602 LPF
BA4558
(1/2)
IC602
BA4558
LPF (2/2)
X601
CE42546-0012
LC601
CE42142-103Z
L606
QQL01BK-4R7Z
L607
QQL01BK-100Z
Q503
DTC323TK-X
A MUTING
Q602
*2
A MUTING
D602
MA3062/M/-X
D501
RD8.2E/B2/-T2
Q502
BPF
Q503
*1
VIDEO BUF
Q603
*1
L504
18
5%
L505
22 5%
QENC1CM-106Z
12V
5V
SCL1
SDA1
A_RES
LOUT
ROUT
MAIN PWB ASS'Y

RT SOCKET PWB CIRCUIT DIAGRAM



PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety .
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
C R	Carbon Resistor	C CAP.	Ceramic Capacitor
F R	Fusible Resistor	E CAP.	Electrolytic Capacitor
P R	Plate Resistor	M CAP.	Mylar Capacitor
V R	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

TOLERANCES									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

AV-29TS4EE
AV-29TS4EN
AV-29TS4EP

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AV-29TS4EN

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AV-29TS4EP

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- IF PW BOARD ASS'Y 53
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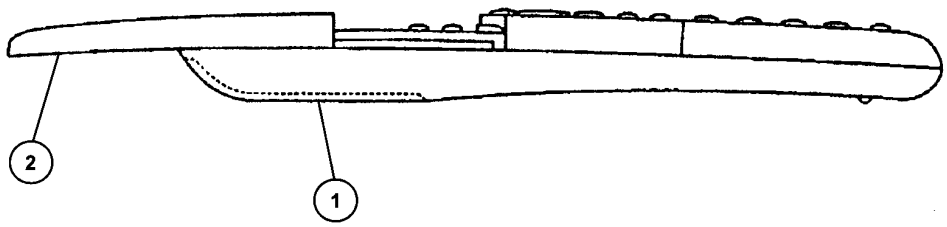
USING PW BOARD & REMOTE CONTROL UNIT

Model / PWB ASS'Y	AV-29TS4EE	AV-29TS4EN	AV-29TS4EP
MAIN PWB	SJH-1301A-U2	SJH-1001A-U2	SJH-1701A-U2
CRT SOCKET PWB	SJH-3001A-U2	←	←
FRONT CONTROL PWB	SJH-8001A-U2	←	←
IF PWB	SJH0F301A-U2	SJH0F001A-U2	SJH0F701A-U2
AV SEL & MSP PWB	SJH0S001A-U2	←	←
REMOTE CONTROL UNIT	RM-C795-1E	←	←

REMOTE CONTROL UNIT PARTS LIST (RM-C795-1E)

⚠ Ref. No.	Part No.	Part Name	Description	Local
1	BGV110201A	BATTERY COVER		
2	BGV110303A	SLIDE COVER		

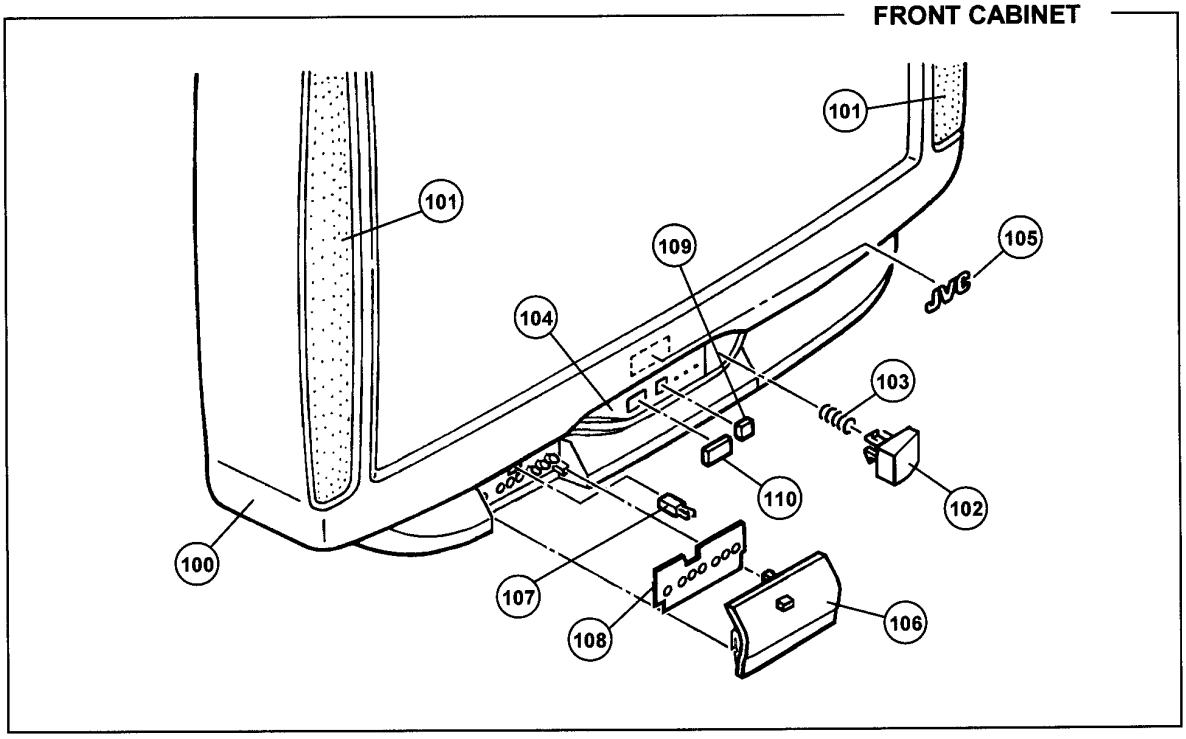


AV-29TS4EE / AV-29TS4EN / AV-29TS4EP

EXPLODED VIEW PARTS LIST

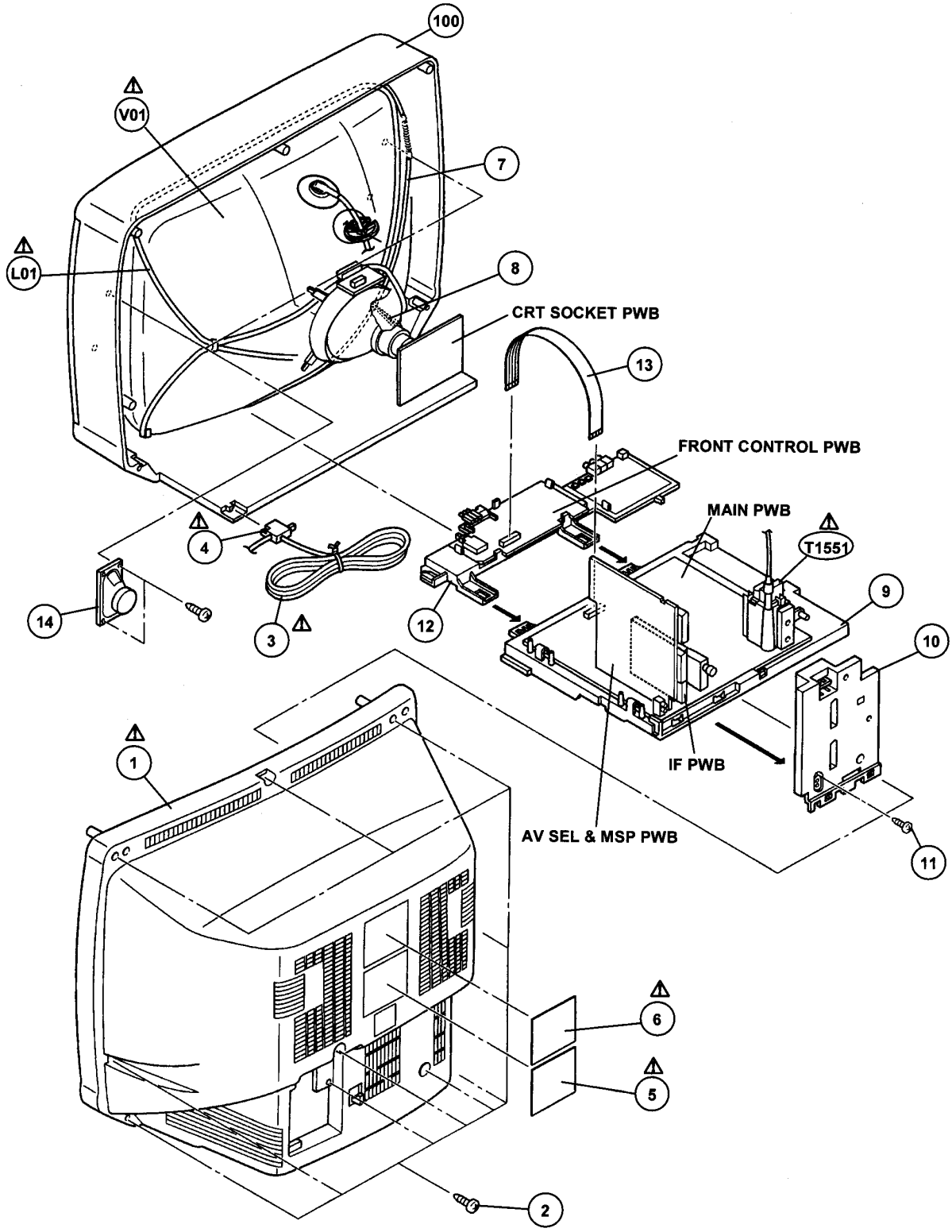
⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	A68ESF002X111	ITC TUBE(C)	Inc.DY,WED	*
⚠	L01	CELD020-004J7	DEGAUSSING COIL		*
⚠	T1551	CETH019-00AJ1	H.V.TRANSF.	(SERVICE)	
⚠	1	CM12798-A02-E	REAR COVER		*
	2	GBSA4016N	TAPPING SCREW	(×10)	*
⚠	3	AEEMP001-185	POWER CORD		*
⚠	4	CM47016-001-H	CORD CLAMP		*
⚠	5	**LC20230-001A-U**	**RATING LABEL**	**AV-29TS4EE**	*
⚠	5	**LC20076-004A-U**	**RATING LABEL**	**For ENG/GER/ITA AV-29TS4EN**	*
⚠	5	**LC20079-005A-U**	**RATING LABEL**	**AV-29TS4EP**	*
⚠	6	**LC20077-004A-U**	**RATING LABEL**	**For ENG/ESP/FRA AV-29TS4EN**	*
	7	WJY0001-002A	E-BRAIDED ASSY		*
	8	CHGB0017-0C-CE	SUB BRAIDED WIRE		*
	9	CM12933-B01-E	CHASSIS BASE		*
	10	CM12784-005-E	AV TERM BASE		*
	11	QYSBSF3012M	TAPPING SCREW		
	12	CM12912-A01-E	CONTROL BASE		*
	13	CHFD125-10BD	FFC WIRE		*
	14	CEBSS12D-04KJ2	SPEAKER	(×2)SP01,SP02	*
	100	CM12909-B0B-E	FRONT CABINET	Inc.No.101~110	*
	101	CM12911-C01-E	SPEAKER PANEL	(×2)	*
	102	CM36561-A01	POWER KNOB		*
	103	CM35110-003	SPRING		*
	104	CM23120-A02-E	CONTROL WINDOW		*
	105	CM48006-A03-H	JVC MARK		*
	106	CM23119-A01-E	DOOR		*
	107	CM48229-00A	DOOR LATCH		*
	108	CM36562-002-E	CONTROL SHEET		*
	109	CM36246-001-H	E.E.WINDOW		*
	110	CM36247-A01-H	REMOCON WINDOW		*

EXPLODED VIEW I



AV-29TS4EE / AV-29TS4EN / AV-29TS4EP

EXPLODED VIEW Ⅱ



AV-29TS4EE

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SJH-1301A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1001	QRK126J-474X	C R	470kΩ 1/2W J	*
	R1002	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1003-06	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1101-02	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1103-04	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1105	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1106	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1107	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1108	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R1109	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1112-14	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1115-18	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1119	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1120	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1121	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1123	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1125	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1401-02	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1403	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1404	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1405	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1406	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1407-08	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1409	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1411	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1412	QRA14CF-2202Y	MF R	22kΩ 1/4W F	*
	R1413	QRA14CF-1002Y	MF R	10kΩ 1/4W F	*
	R1414	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1415	QRE121J-2R7Y	C R	2.7Ω 1/2W J	*
	R1416	QRX01GJ-1R2	MF R	1.2Ω 1W J	*
	R1419	QRE121J-1R0Y	C R	1.0Ω 1/2W J	*
	R1420	QRG01GJ-101	OM R	100Ω 1W J	*
	R1461	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1462	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1463-64	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1465	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1466	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1467	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1468	QRA14CF-2491Y	MF R	2.49kΩ 1/4W F	*
	R1469-70	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1471	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1472	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1473	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1474	NRSA02J-331X	MG R	330Ω 1/10W J	*
⚠	R1475	QRJ146J-2R2X	C R	2.2Ω 1/4W J	*
	R1476	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1477	QRE121J-222Y	C R	2.2kΩ 1/2W J	*
	R1478	QRE121J-183Y	C R	18kΩ 1/2W J	*
	R1479	QRL039J-330	OM R	33Ω 3W J	*
	R1480-82	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1483	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1484	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1485	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1486	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1501	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1502	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1503	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1504	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1505	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1507	QRE121J-152Y	C R	1.5kΩ 1/2W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1508	QRG029J-182	OM R	1.8kΩ 2W J	*
	R1509	QRG029J-222	OM R	2.2kΩ 2W J	*
	R1521	QRE121J-150Y	C R	15Ω 1/2W J	*
	R1522	QRG029J-103	OM R	10kΩ 2W J	*
	R1523	QRE121J-471Y	C R	470Ω 1/2W J	*
	R1525	QRF074K-3R3	UNF R	3.3Ω 7W K	*
	R1531	QRE121J-104Y	C R	100kΩ 1/2W J	*
	R1532	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1533	QRE121J-152Y	C R	1.5kΩ 1/2W J	*
⚠	R1552	QRZ9017-4R7	FUSI.RESISTOR	4.7 Ω 1/4W J	*
⚠	R1553	QRZ9021-1R0	FUSI.RESISTOR	1 Ω 1W J	*
⚠	R1554	QRZ9021-1R0	FUSI.RESISTOR	1 Ω 1W J	*
	R1555	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1556-57	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1581	QRE121J-562Y	C R	5.6kΩ 1/2W J	*
	R1582	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1583	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1584	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
⚠	R1585	QRA14CF-1582Y	MF R	15.8kΩ 1/4W F	*
⚠	R1586	QRA14CF-2941Y	MF R	2.94kΩ 1/4W F	*
	R1587	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1601	QRK126J-2R2X	C R	2.2Ω 1/2W J	*
	R1603	QRK126J-2R2X	C R	2.2Ω 1/2W J	*
	R1604-05	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1606	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1607	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1608	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1609	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1610	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1611	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1613-14	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1615	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1616-17	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1618-19	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1620	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1621	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1632	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1633	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1634	NRSA02J-562X	MG R	5.6kΩ.1/10W J	*
	R1635	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1636-37	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1638	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1639	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1640	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1641	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1701-02	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1703	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1704	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1709	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1710	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1712	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1713	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1715-17	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1718-19	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1720	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1721	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1722	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1723	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1725	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1726	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1727	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1729	NRSA02J-124X	MG R	120kΩ 1/10W J	*
	R1730	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R1731	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1732	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1733-34	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1735	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1736	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R1737	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1738	NRSA02J-274X	MG R	270kΩ 1/10W J	*
	R1739	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1740	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1741	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1743	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1744	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1745	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1747	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1749	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1751-56	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1759	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1760	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1761	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1762	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1763	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1764	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1768-73	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1775	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1776	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1777-78	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1779	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1780-81	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1782	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1783	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1784-85	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1786-92	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1793	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1801	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1802-03	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1804	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1805	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1808-10	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1811	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1812	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1813	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1814	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R1815	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1819	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1820	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1822	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1823	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1824	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1825	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1826	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1827	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1828	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1901	QRF104K-3R9	UNF R	3.9Ω 10W K	*
	R1902-03	QRE121J-474Y	C R	470kΩ 1/2W J	*
	R1904	QRG039J-473	OM R	47kΩ 3W J	*
	R1905	QRG039J-333	OM R	33kΩ 3W J	*
	R1906	QRE121J-102Y	C R	1kΩ 1/2W J	*
	R1907	QRM059J-R27	MP R	0.27Ω 5W J	*
	R1910	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R1911	QRE121J-470Y	C R	47Ω 1/2W J	*
	R1912	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1914	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1915	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1916	NRSA02J-273X	MG R	27kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1917	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1918	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1919	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1920	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1921	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1922	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R1951	QRF074J-102	UNF R	1kΩ 7W J	*
	R1952	QRL029J-473	OM R	47kΩ 2W J	*
	R1953	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1954	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1955	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1956	QRX039J-R82	MF R	0.82Ω 3W J	
	R1958	NRSA02J-220X	MG R	22Ω 1/10W J	*
	R1959	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1960	NRSA02J-470X	MG R	47Ω 1/10W J	*
	R1961	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1963	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1964	QRG01GJ-120	OM R	12Ω 1W J	*
	R1966	QRG029J-180	OM R	18 Ω 2W J	*
	R1967	QRG029J-223	OM R	22kΩ 2W J	*
	R1968	QRG029J-270	OM R	27 Ω 2W J	*
	R1969	QRG01GJ-121	OM R	120Ω 1W J	*
⚠	R1991	QRZ0057-825	C R	8.2MΩ 1W J	*
	CAPACITOR				
	C1001	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1002	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1003	QETN1CM-108Z	E CAP.	1000μF 16V M	*
	C1004	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1005	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1006	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1007-09	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1010	QETN1CM-108Z	E CAP.	1000μF 16V M	*
	C1011	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1102-03	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1104	NCB21HK-823X	CHIP CAP.	0.082μF 50V K	*
	C1105	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
	C1107-08	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1109	QETN1CM-108Z	E CAP.	1000μF 16V M	*
	C1110	NDC21HJ-120X	C CAP.	12pF 50V J	*
	C1111	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1112	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1113-15	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1116	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1117	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1118-20	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1121	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
	C1122	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1123	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1124	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1125	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1126	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1127	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1128	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C1129	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1401	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1407	QEHR1VM-227Z	E CAP.	220μF 35V M	
	C1408	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1409	NDC21HJ-152X	C CAP.	1500pF 50V J	*
	C1410	QETM1VM-108	E CAP.	1000μF 35V M	*
	C1412	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1413	QCZ0337-180Z	C CAP.	18pF 2000V J	
	C1416	NCB21HK-152X	C CAP.	1500pF 50V K	*
	C1417	QFLC2AJ-563Z	M CAP.	0.056μF 100V J	*
	C1418	QFV71HJ-154Z	MF CAP.	0.15μF 50V J	*
	C1424	NDC21HJ-680X	C CAP.	68pF 50V J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1428	QFLC2AK-104Z	M CAP.	0.1µF 100V K	*
	C1461	QFLC1HJ-823Z	M CAP.	0.082µF 50V J	*
	C1462	QFV71HJ-184Z	MF CAP.	0.18µF 50V J	*
	C1463	QEM61EK-225Z	E CAP.	2.2µF 25V K	*
	C1464	QFP31HG-333	PP CAP.	0.033µF 50V G	*
	C1468	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1469	NCS21HJ-121X	C CAP.	120pF 50V J	*
	C1470	NDC21HJ-331X	C CAP.	330pF 50V J	*
	C1471	QETM1CM-228	E CAP.	2200µF 16V M	*
	C1472	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1473	QEM61HK-475Z	E CAP.	4.7µF 50V K	*
	C1474	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1481	QEHR1HM-106Z	E CAP.	10µF 50V M	
	C1501	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1502-04	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1505	NCB21HK-822X	C CAP.	8200pF 50V K	*
	C1506	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1507	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1509	QCB32HK-681Z	C CAP.	680pF 500V K	*
	C1510	QEHC2CM-105Z	E CAP.	1µF 160V M	*
⚠	C1521	QFZ0152-4001	MPP CAP.	4000pF1.5kVH±2.5%	*
⚠	C1522	QFZ0152-9501	MPP CAP.	9500pF1.5kVH±2.5%	*
⚠	C1523	QFP32GJ-223	PP CAP.	0.022µF 400V J	
⚠	C1524	QFZ0119-684	MPP CAP.	0.68µF 200V ±3%	*
⚠	C1525	QFZ0194-364	MM CAP.	0.36µF 250V J	*
	C1526	QEHC2EM-475Z	E CAP.	4.7µF 250V M	*
	C1527	QCB32HK-561Z	C CAP.	560pF 500V K	*
	C1528	QETM2CM-227	E CAP.	220µF 160V M	*
⚠	C1531	QFZ0119-154	MPP CAP.	0.51µF 200V ±3%	*
	C1552-53	QEHB1EM-108	E CAP.	1000µF 25V M	*
	C1554	QETN2EM-106Z	E CAP.	10µF 250V M	*
	C1555	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1581	QETN1AM-107Z	E CAP.	100µF 10V M	*
	C1582	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1583	QETN2AM-106Z	E CAP.	10µF 100V M	*
	C1584	QETN1AM-227Z	E CAP.	220µF 10V M	*
	C1602-03	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1604	QETN1HM-107Z	E CAP.	100µF 50V M	*
	C1605	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1606-09	NCF21HZ-224X	C CAP.	0.22µF 50V Z	*
	C1610	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1612	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1615	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1616	QETM1HM-228	E CAP.	2200µF 50V M	*
	C1620	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1630	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1631	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1633	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1636-37	NCF21CZ-105X	C CAP.	1µF 16V Z	*
	C1638-39	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1701	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1702	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1703	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1704	QETN1AM-227Z	E CAP.	220µF 10V M	*
	C1705	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1707	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1709	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1711	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1712	QETN1AM-107Z	E CAP.	100µF 10V M	*
	C1713	NDC21HJ-220X	C CAP.	22pF 50V J	*
	C1714	NCS21HJ-471X	C CAP.	470pF 50V J	*
	C1715	NCB21HK-333X	C CAP.	0.033µF 50V K	*
	C1716	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1718	NDC21HJ-560X	C CAP.	56pF 50V J	*
	C1719	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1720	QENC1HM-105Z	BP E CAP.	1µF 50V M	*
	C1721	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1730	NCF21CZ-105X	C CAP.	1µF 16V Z	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1731	NDC21HJ-331X	C CAP.	330pF 50V J	*
	C1807	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1809	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1811	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1812	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1813	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1814	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1815	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1816	QETN1HM-226Z	E CAP.	22µF 50V M	*
	C1817	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1818	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1819	NDC21HJ-221X	C CAP.	220pF 50V J	*
	C1820-21	NDC21HJ-150X	C CAP.	15pF 50V J	*
	C1822	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1823-24	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1825	NDC21HJ-221X	C CAP.	220pF 50V J	*
	C1826	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1827	QETN0JM-477Z	E CAP.	470µF 6.3V M	*
	C1828-29	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
⚠	C1901	QCZ9054-472	C CAP.	4700pFAC250V Z	*
⚠	C1902	QCZ9054-472	C CAP.	4700pFAC250V Z	*
⚠	C1903	QCZ9054-472	C CAP.	4700pFAC250V Z	*
	C1904	QEZ0199-227	E CAP.	220µF 400V M	*
	C1905	QCB32HK-103	C CAP.	0.01µF 500V K	*
	C1906	QCZ0122-391	C CAP.	390pF 2000V K	*
	C1908	QCZ0122-221	C CAP.	220pF 2000V K	*
	C1909	QCZ0122-391	C CAP.	390pF 2000V K	*
	C1911	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1912	QETN1EM-107Z	E CAP.	100µF 25V M	*
	C1913	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1914	NCS21HJ-101X	C CAP.	100pF 50V J	*
	C1915	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1916	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1917	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1951	QCZ0131-561	C CAP.	560pF 2000V K	
	C1952-53	QCZ0132-102Z	C CAP.	1000pF 500V K	*
	C1954	QCZ0135-101Z	C CAP.	100pF 1000V K	*
	C1955	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1956	QEZ0203-227	E CAP.	220µF 160V M	*
	C1957	QEZ0257-228	E CAP.	2200µF 25V M	*
	C1959	QEHR1EM-108Z	E CAP.	1000µF 25V M	
	C1962	QEHR1CM-477Z	E CAP.	470µF 16V M	
	C1965	QEHB1VM-108	E CAP.	1000µF 35V M	*
	C1966	NCB21HK-473X	C CAP.	0.047µF 50V K	*
	C1972	QFV71HJ-684Z	MF CAP.	0.68µF 50V J	*
	C1973	QCB32HK-392Z	C CAP.	3900pF 500V K	*
	C1974-75	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1976	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1977	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1978	QEHR1CM-227Z	E CAP.	220µF 16V M	
	C1979	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1980	QEHC1AM-227Z	E CAP.	220µF 10V M	*
	C1981	QETN1CM-227Z	E CAP.	220µF 16V M	*
⚠	C1992	QCZ9079-471	C CAP.	470pFAC250V K	*
⚠	C1993	QCZ9079-332	C CAP.	3300pFAC250V K	*
	C1994	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	TRANSFORMER				
	T1501	CE42034-002	H.DRIVE TRANSF.		*
	T1521	CE42549-001J1	BRIGE COIL		*
⚠	T1901	CETS120-001J7	SW TRANSF.		*
	COIL				
	L1001	QQL01BK-270Z	COIL	27µH	*
	L1003-04	QQL01BK-8R2Z	COIL	8.2µH	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	COIL				
	L1006	QQL01BK-5R6Z	COIL	5.6μH	*
	L1010	QQL01BK-5R6Z	COIL	5.6μH	*
	L1101	QQL01BK-221Z	COIL	220μH	*
	L1102	QQL01BK-4R7Z	COIL	4.7μH	*
	L1103	QQL01BK-330Z	COIL	33μH	*
	L1461	CE42567-001J1	INJECTION COIL		*
	L1521	CELL011-002J1	LINEARITY COIL		*
	L1551	QQLZ018-860	HEATER CHOKE		*
	L1701	QQL01BK-8R2Z	COIL	8.2μH	*
	L1702	QQL01BK-221Z	COIL	220μH	*
	L1801	QQL01BK-3R3Z	COIL	3.3μH	*
	L1802	QQL01BK-4R7Z	COIL	4.7μH	*
	L1901	QQL26AM-2R7Z	CHOKE COIL		*
	L1951	QQLZ018-460	HEATER CHOKE		*
	L1954	QQL26AK-220Z	COIL	22μH	*
	L1958	QQL26AM-5R6Z	CHOKE COIL		*
	L1960-61	QQL26AM-5R6Z	CHOKE COIL		*
	DIODE				
	D1101	MA111-X	SI.DIODE		*
	D1402	1N4003-T2	SI.DIODE		*
	D1461	MA3039/H/-X	ZENER DIODE		*
	D1462	MA3120/M/-X	ZENER DIODE		*
	D1463-64	MA3220/M/-X	ZENER DIODE		*
	D1481	MA111-X	SI.DIODE		*
	D1482	MA3220/M/-X	ZENER DIODE		*
	D1501	MA3091/M/-X	ZENER DIODE		*
	D1521	BY228-20	SI.DIODE		*
	D1522	BYW95B-20	SI.DIODE		*
	D1523	BYD33G-T3	SI.DIODE		*
	D1551-52	BYW95B-20	SI.DIODE		*
	D1553-54	BYD33G-T3	SI.DIODE		*
	D1555	BYD33D-T3	SI.DIODE		*
	D1581	MA3150/M/-X	ZENER DIODE		*
	D1582	MA3075/M/-X	CHIP ZENER DIODE		*
	D1583	BYD33D-T3	SI.DIODE		*
	D1584	MTZJ7.5S-T2	ZENER DIODE		*
	D1601-02	MA3330/L/-X	ZENER DIODE		
	D1604	MA153A-X	SI.DIODE		
	D1605	MA111-X	SI.DIODE		*
	D1606	MA153A-X	SI.DIODE		
	D1608	MA111-X	SI.DIODE		*
	D1609	MA152WK-X	SI.DIODE		*
	D1613	MA111-X	SI.DIODE		*
	D1615	MA111-X	SI.DIODE		*
	D1701-02	MA704A-X	SI.DIODE		
	D1708-11	MA111-X	SI.DIODE		*
	D1715	MA111-X	SI.DIODE		*
	D1716	MA3068/M/-X	ZENER DIODE		*
	D1801-02	MA111-X	SI.DIODE		*
⚠	D1901	D3SBA60	DIODE BRIDGE		*
	D1902	BYD33M-T3	SI.DIODE		*
	D1903	BYD33D-T3	SI.DIODE		*
	D1951	RU4B-F1	SI.DIODE		*
	D1952-53	BYD33M-T3	SI.DIODE		*
	D1954	MCR22-6	THYRISTOR		*
	D1955	1SR35-400A-T2	SI.DIODE		*
	D1956	BYD33D-T3	SI.DIODE		*
	D1957-58	BYW95B-20	SI.DIODE		*
	D1959	SF6L20U	SI.DIODE		
	D1962	MTZJ7.5B-T2	ZENER DIODE		*
	D1964	MA3150/M/-X	ZENER DIODE		*
	D1965	MA3075/H/-X	ZENER DIODE		*
	D1966	MA3330/L/-X	ZENER DIODE		
	D1967	MA3051/M/-X	ZENER DIODE		*
	D1980-82	MA111-X	SI.DIODE		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
	D1983	MTZJ22B-T2	ZENER DIODE		*
	D1984	1SR35-400A-T2	SI.DIODE		*
	TRANSISTOR				
	Q1101	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1103	DTC144EKA-X	DIGI.TRANSISTOR		*
	Q1461-64	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1465	2SD1408/OY/-LB	SI.TRANSISTOR		*
	Q1481-82	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1501	B5N274	F.E.T.		*
⚠	Q1521	BU2508AX	POWER TRANSISTOR	H.OUT	*
	Q1531	2SK2459N-F54	POWER MOS FET		
	Q1532	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1581	2SA949/Y/Z1	SI.TRANSISTOR		*
	Q1582	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1583	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1601	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1602	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1603-04	DTC323TK-X	DIGI.TRANSISTOR		*
	Q1605-06	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1607-08	DTC323TK-X	DIGI.TRANSISTOR		*
	Q1610-11	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1701-06	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1707	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1801	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1802	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1806-07	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1901	MTA4N60E	F.E.T.		*
	Q1951	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1952-53	DTC124EKA-X	DIGI.TRANSISTOR		*
	IC				
	IC1101	TB1227AN	I.C.(DIGI-OTHER)		*
	IC1401	LA7845N	I.C.(MONO-ANA)		
	IC1461	TA8859CP	I.C.(MONO-ANA)		*
	IC1601	TA8246H	I C		
	IC1701	M37207MF-155SP	I.C(MICRO-COMP)		
	IC1702	L78LR05E-MA	I.C.(MONO-ANA)		*
	IC1703	AT24C1629TS4EN	I.C.	(SERVICE)	
	IC1802	TC4053BP/N/	I C		
	IC1804	CF70211	I.C.(DIGI-MOS)		*
	IC1805	CF72417	I.C.(DIGI-MOS)		*
	IC1901	MC44604P	I.C.(MONO-ANA)		*
	IC1951	BA12T	I C		
	IC1952	AN7809F	I.C.(MONO-ANA)		*
	IC1953	AN7805F	I.C.(MONO-ANA)		*
	IC1954	SE135N	I.C.(HYBRID)		*
	OTHERS				
		CM48279-001-E	SHIELD PLATE		*
	CN1006	CHC108N-25T-AE	FFC CONNECTOR		*
⚠	CP1951	ICP-N50-Y	I.C.PROTECT		*
⚠	CP1952	ICP-N50-Y	I.C.PROTECT		*
⚠	CP1955	ICP-N38-Y	I.C.PROTECT		*
	J1001	QNN0296-001	PIN JACK		*
	K1001	CE41433-001Z	BEADS CORE		*
	K1002-03	CE42681-001Y	BEADS CORE		*
	K1005	CE41433-001Z	BEADS CORE		*
	K1402	CE41433-001Z	BEADS CORE		*
	K1403	CE42681-001Y	BEADS CORE		*
	K1601-02	CE42681-001Y	BEADS CORE		*
	K1901	QQR0872-001Y	FERRITE BEADS		*
	K1903	QQR0872-001Y	FERRITE BEADS		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	OTHERS				
	K1951	QQR0872-001Y	FERRITE BEADS		*
	K1953-55	CE41433-001Z	BEADS CORE		*
	PC1531	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	PC1901	TLP721F(D4-GR)	I.C.(PH.COUPLER)		*
	TU1001	CEEK481-B04	TUNER		*
	X1101	QAX0305-001Z	CRYSTAL		*
	X1701	CST8.00MTW	CER.RESONATOR		*
	X1801	CE41257-001Z	CRYSTAL		*
	Y1463	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1603	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1605-07	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1801	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1955	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y1957	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

CRT SOCKET P.W. BOARD ASS'Y (SJH-3001A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R3101-06	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R3107	QRE121J-181Y	C R	180Ω 1/2W J	*
	R3108	NRSA02J-470X	MG R	47Ω 1/10W J	*
	R3109	QRE121J-181Y	C R	180Ω 1/2W J	*
	R3110-11	NRSA02J-470X	MG R	47Ω 1/10W J	*
	R3112	QRE121J-181Y	C R	180Ω 1/2W J	*
	R3113-17	QRL029J-153	OM R	15kΩ 2W J	*
	R3118-20	QRZ0107-102Z	C R	1.0kΩ 1/2W K	*
	R3121	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R3122	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R3124	QRL029J-153	OM R	15kΩ 2W J	*
	R3125	QRE121J-474Y	C R	470kΩ 1/2W J	*
	R3126	QRG01GJ-101	OM R	100Ω 1W J	*
	R3131	QRZ0107-474Z	C R	470kΩ 1/2W K	*
	R3141-43	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R3165	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	CAPACITOR				
	C3101-02	NDC21HJ-271X	C CAP.	270pF 50V J	*
	C3103	NCB21HK-331X	C CAP.	330pF 50V K	*
	C3104	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C3105	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C3106	NCF21EZ-104X	C CAP.	0.1μF 25V Z	*
	C3113	QCZ0121-102	C CAP.	1000pF 3000V Z	*
	C3121	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C3123	QETM2EM-336	E CAP.	33μF 250V M	*
	COIL				
	L3101-03	QQL01BK-181Z	COIL	180μH	*
	DIODE				
	D3121	DAN202K-X	DIODE ARRAY		*
	D3123	MA3068/M/-X	ZENER DIODE		*
	D3124-26	DAN202K-X	DIODE ARRAY		*
	TRANSISTOR				
	Q3101-03	2PC1815/YG/-T	SI.TRANSISTOR		*
	Q3104-06	2SC4544-LB	SI.TRANSISTOR		*
	Q3153	2PC1815/YG/-T	SI.TRANSISTOR		*
	Q3154	2SA1162/YG/-X	SI.TRANSISTOR		*
	OTHERS				
	K3001	CE41433-001Z	BEADS CORE		*
⚠	SK3001	CE42446-001	C.R.T.SOCKET		
	W3003	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W3005	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W3010	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y3107	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y3111-12	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

FRONT CONTROL P.W. BOARD ASS'Y (SJH-8001A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R8001-02	QRE121J-271Y	C R	270Ω 1/2W J	*
	R8003	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R8004	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R8005-06	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R8008	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R8009	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R8010	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R8011	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R8012	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R8013	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R8014	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R8015-16	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R8017	NRSA02J-750X	MG R	75Ω 1/10W J	*
	R8020	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R8901	QRE121J-331Y	C R	330Ω 1/2W J	*
	CAPACITOR				
	C8001-02	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C8003	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C8004	NCF21EZ-104X	C CAP.	0.1μF 25V Z	*
	C8005	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C8006	NDC21HJ-151X	C CAP.	150pF 50V J	*
	C8007	NCF21CZ-105X	C CAP.	1μF 16V Z	*
	C8008	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C8010-11	NCB21HK-472X	C CAP.	4700pF 50V K	*
⚠	C8901	QFZ9040-474	M.F.CAPACITOR	0.47μFAC275V M	*
⚠	C8904	QFZ9040-473	M.F.CAPACITOR	0.047μFAC275V M	*
	COIL				
	L8001	QQR0716-001Z	LEAD CORE		
	L8002-03	QQL211K-5R6Y	COIL	5.6μH	*
	L8004-05	QQR0716-001Z	LEAD CORE		
	L8010-11	QQL211K-270Y	COIL	27μH	*
	L8012	QQR0716-001Z	LEAD CORE		
	L8901-02	QQL401K-100	COIL	10μH	*
	DIODE				
	D8007	P1241-04	C.D.S.		
	D8008	DAN202K-X	DIODE ARRAY		*
	D8009	SLR-342MG3F	L.E.D.(GRN)		*
	D8010	SPR-39MVWF	L.E.D.		*
	D8012	SLR-342DU3F	L.E.D.(ORG)		*
	D8013	MA3068/M/-X	ZENER DIODE		*
	D8015	DAN202K-X	DIODE ARRAY		*
	TRANSISTOR				
	Q8001	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q8002-03	DTA144TKA-X	DIGI.TRANSISTOR		*
	IC				
	IC8001	GP1U281Q	IFR DETECT UNIT		*
	OTHERS				
		CEMG002-001Z	FUSE CLIP		*
		CM36156-A01-E	L.E.D.HOLDER		*
	CN8006	CHC108N-25T-AE	FFC CONNECTOR		*
⚠	F8901	QMF51D2-3R15J1	FUSE	3.15A	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	OTHERS				
	J8001	QMS3004-C01	HEADPHONE JACK		*
	J8002	QNN0279-003	PIN JACK		*
	J8003	QNN0279-002	PIN JACK		*
	J8004	QNN0279-001	PIN JACK		*
⚠	LF8901	CE42144-001J2	LINE FILTER		*
	S8001	QSP1A11-C18Z	PUSH SWITCH	VR	*
	S8002	QSP1A11-C18Z	PUSH SWITCH	▽(DOWN)	*
	S8003	QSP1A11-C18Z	PUSH SWITCH	△(UP)	*
⚠	S8901	QSW0750-001	PUSH SWITCH	MAIN POWER	*
⚠	TH8901	CEKP010-001J2	W.P.THERMISTOR		*
	W8946-49	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

IF P.W. BOARD ASS'Y (SJH0F301A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R0003	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R0004	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R0005-06	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R0007	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R0008	NRSA02J-151X	MG R	150Ω 1/10W J	*
	R0009	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R0011	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0012	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0013	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R0014	NRSA02J-124X	MG R	120kΩ 1/10W J	*
	R0015	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R0020	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0021	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0022	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R0023	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0024	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0025	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0026	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0030-31	NRSA02J-150X	MG R	15Ω 1/10W J	*
	R0032	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0033	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0034	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R0035	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0036	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0037	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0104	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0105	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0107-08	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0109	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R0110	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0111-12	NRSA02J-151X	MG R	150Ω 1/10W J	*
	R0113	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R0114	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R0115	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0116	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R0124	NRSA02J-103X	MG R	10kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C0002	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C0003	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0004	NCB21EK-104X	C CAP.	0.1µF 25V K	*
	C0005-06	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0007	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
	C0009	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0010-11	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C0012	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0020	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0022-23	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0025	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0030	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0032	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0047	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C0101	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C0104	NDC21HJ-271X	C CAP.	270pF 50V J	*
	C0105	NCF21EZ-104X	C CAP.	0.1µF 25V Z	*
	C0110	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0111	QETN1CM-476Z	E CAP.	47µF 16V M	*
	TRANSFORMER				
	T0001	CELT001-307	C.WAVE TRANSF.		*
	T0020	QQR0626-001	I.F.TRANSF.		*
	COIL				
	L0020	QQLZ014-R47	PEAKING COIL	0.47µH	*
	L0021	QQL01BK-1R5Z	COIL	1.5µH	*
	L0041	QQL01BK-100Z	COIL	10µH	*
	L0103	QQL01BK-100Z	COIL	10µH	*
	L0104	QQL01BK-5R6Z	COIL	5.6µH	*
	TRANSISTOR				
	Q0001	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q0002-03	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q0012	2SC5083/L-P/-T	SI.TRANSISTOR		*
	Q0104	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q0106	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q0107	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q0109-10	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q0112-13	DTC144EKA-X	DIGI.TRANSISTOR		*
	Q0124	DTC144EKA-X	DIGI.TRANSISTOR		*
	IC				
	IC0010	M52760SP	I C		
	OTHERS				
	CF0010-11	FTP40.40MF	CERAMIC FILTER		*
	CF0100	TPS5.5MW	CERAMIC FILTER		*
	SF0010	QAX0531-001	SAW FILTER		*
	SF0012	QAX0352-003	SAW FILTER		
	W0011-14	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W0025	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y0001-02	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

AV SEL & MSP P.W. BOARD ASS'Y (SJH0S001A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R0101-02	NRSA02J-750X	MG R	75Ω 1/10W J	*
	R0103	QRE141J-271Y	C R	270Ω 1/4W J	*
	R0104	QRG01GJ-101	OM R	100Ω 1W J	*
	R0105	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R0106	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R0107-08	NRSA02J-750X	MG R	75Ω 1/10W J	*
	R0109-10	NRSA02J-100X	MG R	10Ω 1/10W J	*
	R0111-12	NRSA02J-820X	MG R	82Ω 1/10W J	*
	R0113-14	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R0115	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0116	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R0117	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0118	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R0119-22	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R0123-24	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R0125	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0126	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R0127	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0128	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R0129-30	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0131	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R0132	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R0133	QRE141J-101Y	C R	100Ω 1/4W J	*
	R0201-02	NRSA02J-750X	MG R	75Ω 1/10W J	*
	R0203	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R0204	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R0205	NRSA02J-750X	MG R	75Ω 1/10W J	*
	R0206	QRG01GJ-101	OM R	100Ω 1W J	*
	R0207	QRE141J-151Y	C R	150Ω 1/4W J	*
	R0208	QRE141J-101Y	C R	100Ω 1/4W J	*
	R0210-11	NRSA02J-182X	MG R	1.8kΩ 1/10W J	*
	R0212	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R0213	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R0214-15	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R0221-22	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R0223-24	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R0225	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0226	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R0227	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0228	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R0229-30	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0233	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R0234	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R0301	QRE121J-221Y	C R	220Ω 1/2W J	*
	R0304-05	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
⚠	R0403	QRZ9017-470	FUSI.RESISTOR	47 Ω 1/4W J	*
	R0408-09	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0412-17	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0419	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R0521	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0525	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R0526	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R0527	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R0528	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R0531	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R0601	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R0603	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R0605	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R0607	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R0608	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R0609	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R0610	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R0616	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R0617	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R0618	NRSA02J-104X	MG R	100kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
RESISTOR					
	R0619	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0621	QRG01GJ-181	OM R	180Ω 1W J	*
	R0622-23	QRE121J-471Y	C R	470Ω 1/2W J	*
	R0626	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R0628	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
CAPACITOR					
	C0101	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0102	QETN1CM-477Z	E CAP.	470µF 16V M	*
	C0103	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C0104	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C0105-07	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0108	QEN61CM-106Z	BP E CAP.	10µF 16V M	*
	C0111	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0113	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0115-16	QENC1HM-105Z	BP E CAP.	1µF 50V M	*
	C0117-18	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0201	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0202	QFLC1HJ-103Z	M CAP.	0.01µF 50V J	*
	C0203-04	QETN1CM-477Z	E CAP.	470µF 16V M	*
	C0206	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C0207-08	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C0211	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0213	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0215-16	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C0217-18	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0219	NDC21HJ-220X	C CAP.	22pF 50V J	*
	C0301	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C0304-05	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C0401	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C0402	NCF21EZ-104X	C CAP.	0.1µF 25V Z	*
	C0403	QENC1CM-106Z	BP E CAP.	10µF 16V M	*
	C0404	QETN1CM-477Z	E CAP.	470µF 16V M	*
	C0405	NCF21EZ-104X	C CAP.	0.1µF 25V Z	*
	C0406-07	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0514	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	C0521	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C0522	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0523	NDC21HJ-820X	C CAP.	82pF 50V J	*
	C0524	NDC21HJ-470X	C CAP.	47pF 50V J	*
	C0526	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C0601-02	QDC31HJ-2R0Z	C CAP.	2.0pF 50V J	*
	C0603-04	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0605-06	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0607-09	NCF21EZ-104X	C CAP.	0.1µF 25V Z	*
	C0610	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C0611-12	NDC21HJ-471X	C CAP.	470pF 50V J	*
	C0613	NCF21EZ-104X	C CAP.	0.1µF 25V Z	*
	C0614-15	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0616	NCF21EZ-104X	C CAP.	0.1µF 25V Z	*
	C0617-18	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C0619-22	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C0623	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C0624	NCF21EZ-104X	C CAP.	0.1µF 25V Z	*
	C0625-26	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C0627-28	NDC21HJ-391X	C CAP.	390pF 50V J	*
	C0629	NDC21HJ-560X	C CAP.	56pF 50V J	*
	C0631-32	NCB21HK-562X	C CAP.	5600pF 50V K	*
	C0633	NDC21HJ-560X	C CAP.	56pF 50V J	*
	C0635-36	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C0637	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C0638-39	QRN143J-0R0X	C R	0.0Ω 1/4W J	*
	C0641	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C0644	NCB21HK-472X	C CAP.	4700pF 50V K	*
	C0650	QETN1HM-105Z	E CAP.	1µF 50V M	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
CAPACITOR					
	C0651	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C0652-53	QENC1CM-106Z	BP E CAP.	10µF 16V M	*
COIL					
	L0105	QQR0716-001Z	LEAD CORE		
	L0205	QQR0716-001Z	LEAD CORE		
	L0504	QQL01BJ-180Z	COIL	18µH	*
	L0505	QQL01BJ-220Z	COIL	22µH	*
	L0606	QQL01BK-4R7Z	COIL	4.7µH	*
	L0607	QQL01BK-100Z	COIL	10µH	*
DIODE					
	D0101	MA3051/M/-X	ZENER DIODE		*
	D0301	MA3130/H/-X	ZENER DIODE		*
	D0304-05	MA3130/H/-X	ZENER DIODE		*
	D0401-02	MA3130/H/-X	ZENER DIODE		*
	D0403	MA3100/L/-X	ZENER DIODE		*
	D0601	RD8.2E/B2/-T2	ZENER DIODE		
	D0602	MA3062/M/-X	ZENER DIODE		*
TRANSISTOR					
	Q0101	2SC1815/YG/-T	SI.TRANSISTOR		*
	Q0102	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q0103-04	DTC323TK-X	DIGI.TRANSISTOR		*
	Q0105	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q0201	2SC1815/YG/-T	SI.TRANSISTOR		*
	Q0202	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q0203-04	DTC323TK-X	DIGI.TRANSISTOR		*
	Q0401-03	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q0503	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q0602	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q0603	DTC323TK-X	DIGI.TRANSISTOR		*
IC					
	IC0401	TEA6416	I.C.(MONO-ANA)		*
	IC0601	MSP3410D-PP-B4	I.C.(DIGI-OTHER)		*
	IC0602	BA4558	I.C.(MONO-ANA)		*
OTHERS					
	J0001-02	CE40529-009J1	21 PIN SOCKET		*
	LC0601	CE42142-103Z	EMI FILTER		*
	W0004	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W0037	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W0052	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W0059	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W0063-68	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W0070-72	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	W0074-76	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	X0601	CE42546-001Z	CRYSTAL		*
	Y0101	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y0601-03	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y0605-06	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	Y0609-10	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

AV-29TS4EN

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SJH-1001A-U2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description	Local
	R1001	QRK126J-474X	C R	470kΩ 1/2W J	*
	R1002	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1003-06	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1101-02	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1103-04	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1105	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1106	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1107	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1108	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R1109	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1112-14	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1115-18	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1119	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1120	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1121	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1123	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1125	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1401-02	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1403	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1404	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1405	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1406	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1407-08	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1409	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1411	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1412	QRA14CF-2202Y	MF R	22kΩ 1/4W F	*
	R1413	QRA14CF-1002Y	MF R	10kΩ 1/4W F	*
	R1414	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1415	QRE121J-2R7Y	C R	2.7Ω 1/2W J	*
	R1416	QRX01GJ-1R2	MF R	1.2Ω 1W J	*
	R1419	QRE121J-1R0Y	C R	1.0Ω 1/2W J	*
	R1420	QRG01GJ-101	OM R	100Ω 1W J	*
	R1461	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1462	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1463-64	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1465	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1466	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1467	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1468	QRA14CF-2491Y	MF R	2.49kΩ 1/4W F	*
	R1469-70	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1471	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1472	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1473	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1474	NRSA02J-331X	MG R	330Ω 1/10W J	*
⚠	R1475	QRJ146J-2R2X	C R	2.2Ω 1/4W J	*
	R1476	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1477	QRE121J-222Y	C R	2.2kΩ 1/2W J	*
	R1478	QRE121J-183Y	C R	18kΩ 1/2W J	*
	R1479	QRL039J-330	OM R	33Ω 3W J	*
	R1480-82	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1483	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1484	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1485	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1486	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1501	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1502	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1503	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1504	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1505	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1507	QRE121J-152Y	C R	1.5kΩ 1/2W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	R1508	QRG029J-182	OM R	1.8kΩ 2W J	*
	R1509	QRG029J-222	OM R	2.2kΩ 2W J	*
	R1521	QRE121J-150Y	C R	15Ω 1/2W J	*
	R1522	QRG029J-103	OM R	10kΩ 2W J	*
	R1523	QRE121J-471Y	C R	470Ω 1/2W J	*
	R1525	QRF074K-3R3	UNF R	3.3Ω 7W K	*
	R1531	QRE121J-104Y	C R	100kΩ 1/2W J	*
	R1532	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1533	QRE121J-152Y	C R	1.5kΩ 1/2W J	*
⚠	R1552	QRZ9017-4R7	FUSI.RESISTOR	4.7 Ω 1/4W J	*
⚠	R1553	QRZ9021-1R0	FUSI.RESISTOR	1 Ω 1W J	*
⚠	R1554	QRZ9021-1R0	FUSI.RESISTOR	1 Ω 1W J	*
	R1555	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1556-57	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1581	QRE121J-562Y	C R	5.6kΩ 1/2W J	*
	R1582	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1583	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1584	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
⚠	R1585	QRA14CF-1582Y	MF R	15.8kΩ 1/4W F	*
⚠	R1586	QRA14CF-2941Y	MF R	2.94kΩ 1/4W F	*
	R1587	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1601	QRK126J-2R2X	C R	2.2Ω 1/2W J	*
	R1603	QRK126J-2R2X	C R	2.2Ω 1/2W J	*
	R1604-05	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1606	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1607	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1608	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1609	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1610	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1611	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1613-14	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1615	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1616-17	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1618-19	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1620	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1621	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1632	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1633	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1634	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1635	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1636-37	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1638	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1639	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1640	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1641	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1701-02	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1703	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1704	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1709	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1710	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1712	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1713	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1715-17	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1718-19	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1720	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1721	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1722	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1723	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1725	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1726	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1727	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1729	NRSA02J-124X	MG R	120kΩ 1/10W J	*
	R1730	NRSA02J-683X	MG R	68kΩ 1/10W J	*
	R1731	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1732	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1733-34	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1735	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1736	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R1737	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1738	NRSA02J-274X	MG R	270kΩ 1/10W J	*
	R1739	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1740	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1741	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1743	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1744	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1745	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1747	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1749	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1751-56	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1759	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1760	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1761	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1762	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1763	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1764	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1768-73	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1775	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1776	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1777-78	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1779	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1780-81	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1782	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1783	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1784-85	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1786-92	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1793	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1801	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1802-03	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1804	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1805	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1808-10	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1811	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1812	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1813	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1814	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R1815	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1819	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1820	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1822	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1823	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1824	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1825	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1826	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1827	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1828	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1901	QRF104K-3R9	UNF R	3.9Ω 10W K	*
	R1902-03	QRE121J-474Y	C R	470kΩ 1/2W J	*
	R1904	QRG039J-473	OM R	47kΩ 3W J	*
	R1905	QRG039J-333	OM R	33kΩ 3W J	*
	R1906	QRE121J-102Y	C R	1kΩ 1/2W J	*
	R1907	QRM059J-R27	MP R	0.27Ω 5W J	*
	R1910	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R1911	QRE121J-470Y	C R	47Ω 1/2W J	*
	R1912	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1914	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1915	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1916	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1917	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1918	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1919	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1920	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1921	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1922	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R1951	QRF074J-102	UNF R	1kΩ 7W J	*
	R1952	QRL029J-473	OM R	47kΩ 2W J	*
	R1953	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1954	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1955	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1956	QRX039J-R82	MF R	0.82Ω 3W J	
	R1958	NRSA02J-220X	MG R	22Ω 1/ 10W J	*
	R1959	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1960	NRSA02J-470X	MG R	47Ω 1/10W J	*
	R1961	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1963	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1964	QRG01GJ-120	OM R	12Ω 1W J	*
	R1966	QRG029J-180	OM R	18 Ω 2W J	*
	R1967	QRG029J-223	OM R	22kΩ 2W J	*
	R1968	QRG029J-270	OM R	27 Ω 2W J	*
	R1969	QRG01GJ-121	OM R	120Ω 1W J	*
⚠	R1991	QRZ0057-825	C R	8.2MΩ 1W J	*
	CAPACITOR				
	C1001	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1002	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1003	QETN1CM-108Z	E CAP.	1000μF 16V M	*
	C1004	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1005	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1006	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1007-09	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1010	QETN1CM-108Z	E CAP.	1000μF 16V M	*
	C1011	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1102-03	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1104	NCB21HK-823X	CHIP CAP.	0.082μF 50V K	*
	C1105	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
	C1107-08	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1109	QETN1CM-108Z	E CAP.	1000μF 16V M	*
	C1110	NDC21HJ-120X	C CAP.	12pF 50V J	*
	C1111	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1112	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1113-15	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1116	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1117	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1118-20	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1121	QETN1HM-475Z	E CAP.	4.7μF 50V M	*
	C1122	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1123	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1124	QETN1HM-106Z	E CAP.	10μF 50V M	*
	C1125	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1126	QETN1CM-476Z	E CAP.	47μF 16V M	*
	C1127	NCB21HK-103X	C CAP.	0.01μF 50V K	*
	C1128	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C1129	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1401	QETN1HM-105Z	E CAP.	1μF 50V M	*
	C1407	QEHR1VM-227Z	E CAP.	220μF 35V M	
	C1408	QETN1CM-107Z	E CAP.	100μF 16V M	*
	C1409	NDC21HJ-152X	C CAP.	1500pF 50V J	*
	C1410	QETM1VM-108	E CAP.	1000μF 35V M	*
	C1412	NCB21HK-104X	CHIP CAP.	0.1μF 50V K	*
	C1413	QCZ0337-180Z	C CAP.	18pF 2000V J	
	C1416	NCB21HK-152X	C CAP.	1500pF 50V K	*
	C1417	QFLC2AJ-563Z	M CAP.	0.056μF 100V J	*
	C1418	QFV71HJ-154Z	MF CAP.	0.15μF 50V J	*
	C1424	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1428	QFLC2AK-104Z	M CAP.	0.1μF 100V K	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1461	QFLC1HJ-823Z	M CAP.	0.082µF 50V J	*
	C1462	QFV71HJ-184Z	MF CAP.	0.18µF 50V J	*
	C1463	QEM61EK-225Z	E CAP.	2.2µF 25V K	*
	C1464	QFP31HG-333	PP CAP.	0.033µF 50V G	*
	C1468	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1469	NCS21HJ-121X	C CAP.	120pF 50V J	*
	C1470	NDC21HJ-331X	C CAP.	330pF 50V J	*
	C1471	QETM1CM-228	E CAP.	2200µF 16V M	*
	C1472	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1473	QEM61HK-475Z	E CAP.	4.7µF 50V K	*
	C1474	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1481	QEHR1HM-106Z	E CAP.	10µF 50V M	
	C1501	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1502-04	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1505	NCB21HK-822X	C CAP.	8200pF 50V K	*
	C1506	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1507	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1509	QCB32HK-681Z	C CAP.	680pF 500V K	*
	C1510	QEHC2CM-105Z	E CAP.	1µF 160V M	*
⚠	C1521	QFZ0152-4001	MPP CAP.	4000pF1.5kVH±2.5%	*
⚠	C1522	QFZ0152-9501	MPP CAP.	9500pF1.5kVH±2.5%	*
⚠	C1523	QFP32GJ-223	PP CAP.	0.022µF 400V J	
⚠	C1524	QFZ0119-684	MPP CAP.	0.68µF 200V ±3%	*
⚠	C1525	QFZ0194-364	MM CAP.	0.36µF 250V J	*
	C1526	QEHC2EM-475Z	E CAP.	4.7µF 250V M	*
	C1527	QCB32HK-561Z	C CAP.	560pF 500V K	*
	C1528	QETM2CM-227	E CAP.	220µF 160V M	*
⚠	C1531	QFZ0119-154	MPP CAP.	0.51µF 200V ±3%	*
	C1552-53	QEHB1EM-108	E CAP.	1000µF 25V M	*
	C1554	QETN2EM-106Z	E CAP.	10µF 250V M	*
	C1555	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1581	QETN1AM-107Z	E CAP.	100µF 10V M	*
	C1582	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1583	QETN2AM-106Z	E CAP.	10µF 100V M	*
	C1584	QETN1AM-227Z	E CAP.	220µF 10V M	*
	C1602-03	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1604	QETN1HM-107Z	E CAP.	100µF 50V M	*
	C1605	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1606-09	NCF21HZ-224X	C CAP.	0.22µF 50V Z	*
	C1610	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1612	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1615	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1616	QETM1HM-228	E CAP.	2200µF 50V M	*
	C1620	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1630	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1631	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1633	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1636-37	NCF21CZ-105X	C CAP.	1µF 16V Z	*
	C1638-39	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1701	QETN1EM-108Z	E CAP.	1000µF 25V M	*
	C1702	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1703	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1704	QETN1AM-227Z	E CAP.	220µF 10V M	*
	C1705	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1707	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1709	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1711	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1712	QETN1AM-107Z	E CAP.	100µF 10V M	*
	C1713	NDC21HJ-220X	C CAP.	22pF 50V J	*
	C1714	NCS21HJ-471X	C CAP.	470pF 50V J	*
	C1715	NCB21HK-333X	C CAP.	0.033µF 50V K	*
	C1716	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1718	NDC21HJ-560X	C CAP.	56pF 50V J	*
	C1719	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1720	QENC1HM-105Z	BP E CAP.	1µF 50V M	*
	C1721	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1730	NCF21CZ-105X	C CAP.	1µF 16V Z	*
	C1731	NDC21HJ-331X	C CAP.	330pF 50V J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1807	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1809	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1811	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1812	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1813	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1814	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1815	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1816	QETN1HM-226Z	E CAP.	22µF 50V M	*
	C1817	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1818	NCB21HK-223X	C CAP.	0.022µF 50V K	*
	C1819	NDC21HJ-221X	C CAP.	220pF 50V J	*
	C1820-21	NDC21HJ-150X	C CAP.	15pF 50V J	*
	C1822	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1823-24	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1825	NDC21HJ-221X	C CAP.	220pF 50V J	*
	C1826	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1827	QETN0JM-477Z	E CAP.	470µF 6.3V M	*
	C1828-29	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
⚠	C1901	QCZ9054-472	C CAP.	4700pFAC250V Z	*
⚠	C1902	QCZ9054-472	C CAP.	4700pFAC250V Z	*
⚠	C1903	QCZ9054-472	C CAP.	4700pFAC250V Z	*
	C1904	QEZ0199-227	E CAP.	220µF 400V M	*
	C1905	QCB32HK-103	C CAP.	0.01µF 500V K	*
	C1906	QCZ0122-391	C CAP.	390pF 2000V K	*
	C1908	QCZ0122-221	C CAP.	220pF 2000V K	*
	C1909	QCZ0122-391	C CAP.	390pF 2000V K	*
	C1911	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1912	QETN1EM-107Z	E CAP.	100µF 25V M	*
	C1913	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1914	NCS21HJ-101X	C CAP.	100pF 50V J	*
	C1915	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1916	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1917	NCB21HK-102X	C CAP.	1000pF 50V K	*
	C1951	QCZ0131-561	C CAP.	560pF 2000V K	
	C1952-53	QCZ0132-102Z	C CAP.	1000pF 500V K	*
	C1954	QCZ0135-101Z	C CAP.	100pF 1000V K	*
	C1955	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1956	QEZ0203-227	E CAP.	220µF 160V M	*
	C1957	QEZ0257-228	E CAP.	2200µF 25V M	*
	C1959	QEHR1EM-108Z	E CAP.	1000µF 25V M	
	C1962	QEHR1CM-477Z	E CAP.	470µF 16V M	
	C1965	QEHB1VM-108	E CAP.	1000µF 35V M	*
	C1966	NCB21HK-473X	C CAP.	0.047µF 50V K	*
	C1972	QFV71HJ-684Z	MF CAP.	0.68µF 50V J	*
	C1973	QCB32HK-392Z	C CAP.	3900pF 500V K	*
	C1974-75	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1976	QETN1CM-227Z	E CAP.	220µF 16V M	*
	C1977	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1978	QEHR1CM-227Z	E CAP.	220µF 16V M	
	C1979	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1980	QEHC1AM-227Z	E CAP.	220µF 10V M	*
	C1981	QETN1CM-227Z	E CAP.	220µF 16V M	*
⚠	C1992	QCZ9079-471	C CAP.	470pFAC250V K	*
⚠	C1993	QCZ9079-332	C CAP.	3300pFAC250V K	*
	C1994	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	TRANSFORMER				
	T1501	CE42034-002	H.DRIVE TRANSF.		*
	T1521	CE42549-001J1	BRIGE COIL		*
⚠	T1901	CETS120-001J7	SW TRANSF.		*
	COIL				
	L1001	QQL01BK-270Z	COIL	27µH	*
	L1003-04	QQL01BK-8R2Z	COIL	8.2µH	*
	L1006	QQL01BK-5R6Z	COIL	5.6µH	*
	L1010	QQL01BK-5R6Z	COIL	5.6µH	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
COIL					
	L1101	QQL01BK-221Z	COIL	220µH	*
	L1102	QQL01BK-4R7Z	COIL	4.7µH	*
	L1103	QQL01BK-330Z	COIL	33µH	*
	L1461	CE42567-001J1	INJECTION COIL		*
	L1521	CELL011-002J1	LINEARITY COIL		*
	L1551	QQLZ018-860	HEATER CHOKE		*
	L1701	QQL01BK-8R2Z	COIL	8.2µH	*
	L1702	QQL01BK-221Z	COIL	220µH	*
	L1801	QQL01BK-3R3Z	COIL	3.3µH	*
	L1802	QQL01BK-4R7Z	COIL	4.7µH	*
	L1901	QQL26AM-2R7Z	CHOKE COIL		*
	L1951	QQLZ018-460	HEATER CHOKE		*
	L1954	QQL26AK-220Z	COIL	22µH	*
	L1958	QQL26AM-5R6Z	CHOKE COIL		*
	L1960-61	QQL26AM-5R6Z	CHOKE COIL		*
DIODE					
	D1101	MA111-X	SI.DIODE		*
	D1402	1N4003-T2	SI.DIODE		*
	D1461	MA3039/H/-X	ZENER DIODE		*
	D1462	MA3120/M/-X	ZENER DIODE		*
	D1463-64	MA3220/M/-X	ZENER DIODE		*
	D1481	MA111-X	SI.DIODE		*
	D1482	MA3220/M/-X	ZENER DIODE		*
	D1501	MA3091/M/-X	ZENER DIODE		*
	D1521	BY228-20	SI.DIODE		*
	D1522	BYW95B-20	SI.DIODE		*
	D1523	BYD33G-T3	SI.DIODE		*
	D1551-52	BYW95B-20	SI.DIODE		*
	D1553-54	BYD33G-T3	SI.DIODE		*
	D1555	BYD33D-T3	SI.DIODE		*
	D1581	MA3150/M/-X	ZENER DIODE		*
	D1582	MA3075/M/-X	CHIP ZENER DIODE		*
	D1583	BYD33D-T3	SI.DIODE		*
	D1584	MTZJ7.5S-T2	ZENER DIODE		*
	D1601-02	MA3330/L/-X	ZENER DIODE		
	D1604	MA153A-X	SI.DIODE		*
	D1605	MA111-X	SI.DIODE		*
	D1606	MA153A-X	SI.DIODE		
	D1608	MA111-X	SI.DIODE		*
	D1609	MA152WK-X	SI.DIODE		*
	D1613	MA111-X	SI.DIODE		*
	D1615	MA111-X	SI.DIODE		*
	D1701-02	MA704A-X	SI.DIODE		
	D1708-11	MA111-X	SI.DIODE		*
	D1715	MA111-X	SI.DIODE		*
	D1716	MA3068/M/-X	ZENER DIODE		*
	D1801-02	MA111-X	SI.DIODE		*
⚠	D1901	D3SBA60	DIODE BRIDGE		*
	D1902	BYD33M-T3	SI.DIODE		*
	D1903	BYD33D-T3	SI.DIODE		*
	D1951	RU4B-F1	SI.DIODE		*
	D1952-53	BYD33M-T3	SI.DIODE		*
	D1954	MCR22-6	THYRISTOR		*
	D1955	1SR35-400A-T2	SI.DIODE		*
	D1956	BYD33D-T3	SI.DIODE		*
	D1957-58	BYW95B-20	SI.DIODE		*
	D1959	SF6L20U	SI.DIODE		
	D1962	MTZJ7.5B-T2	ZENER DIODE		*
	D1964	MA3150/M/-X	ZENER DIODE		*
	D1965	MA3075/H/-X	ZENER DIODE		*
	D1966	MA3330/L/-X	ZENER DIODE		
	D1967	MA3051/M/-X	ZENER DIODE		*
	D1980-82	MA111-X	SI.DIODE		*
	D1983	MTZJ22B-T2	ZENER DIODE		*
	D1984	1SR35-400A-T2	SI.DIODE		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
TRANSISTOR					
	Q1101	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1103	DTC144EKA-X	DIGI.TRANSISTOR		*
	Q1461-64	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1465	2SD1408/OY/-LB	SI.TRANSISTOR		*
	Q1481-82	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1501	BSN274	F.E.T.		*
⚠	Q1521	BU2508AX	POWER TRANSISTOR	H.OUT	*
	Q1531	2SK2459N-F54	POWER MOS FET		
	Q1532	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1581	2SA949/Y/Z1	SI.TRANSISTOR		*
	Q1582	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1583	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1601	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1602	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1603-04	DTC323TK-X	DIGI.TRANSISTOR		*
	Q1605-06	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1607-08	DTC323TK-X	DIGI.TRANSISTOR		*
	Q1610-11	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1701-06	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1707	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1801	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1802	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1806-07	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1901	MTA4N60E	F.E.T.		*
	Q1951	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1952-53	DTC124EKA-X	DIGI.TRANSISTOR		*
IC					
	IC1101	TB1227AN	I.C.(DIGI-OTHER)		*
	IC1401	LA7845N	I.C.(MONO-ANA)		
	IC1461	TA8859CP	I.C.(MONO-ANA)		*
	IC1601	TA8246H	I C		
	IC1701	M37207MF-155SP	I.C(MICRO-COMP)		
	IC1702	L78LR05E-MA	I.C.(MONO-ANA)		*
	IC1703	AT24C1629TS4EN	I.C.	(SERVICE)	
	IC1802	TC4053BP/N/	I.C.(DIGI-MOS)		*
	IC1804	CF70206	I.C(DIGI-MOS)		*
	IC1805	CF72417	I.C.(DIGI-MOS)		*
	IC1901	MC44604P	I.C.(MONO-ANA)		*
	IC1951	BA12T	I C		
	IC1952	AN7809F	I.C.(MONO-ANA)		*
	IC1953	AN7805F	I.C.(MONO-ANA)		*
	IC1954	SE135N	I.C.(HYBRID)		*
OTHERS					
		CM48279-001-E	SHIELD PLATE		*
	CN1006	CHC108N-25T-AE	FFC CONNECTOR		*
⚠	CP1951	ICP-N50-Y	I.C.PROTECT		*
⚠	CP1952	ICP-N50-Y	I.C.PROTECT		*
⚠	CP1955	ICP-N38-Y	I.C.PROTECT		*
	J1001	QNN0296-001	PIN JACK		*
	K1001	CE41433-001Z	BEADS CORE		*
	K1002-03	CE42681-001Y	BEADS CORE		*
	K1005	CE41433-001Z	BEADS CORE		*
	K1402	CE41433-001Z	BEADS CORE		*
	K1403	CE42681-001Y	BEADS CORE		*
	K1601-02	CE42681-001Y	BEADS CORE		*
	K1901	QQR0872-001Y	FERRITE BEADS		*
	K1903	QQR0872-001Y	FERRITE BEADS		*
	K1951	QQR0872-001Y	FERRITE BEADS		*
	K1953-55	CE41433-001Z	BEADS CORE		*
	PC1531	TLP621(B)	I.C.(PH.COUPLER)		*
⚠	PC1901	TLP721F(D4-GR)	I.C.(PH.COUPLER)		*
	TU1001	CEEK481-B04	TUNER		*
	X1101	QAX0305-001Z	CRYSTAL		*

⚠ Symbol No.	Part No.	Part Name	Description	Local
OTHERS				
X1701	CST8.00MTW	CER.RESONATOR		*
X1801	CE41257-001Z	CRYSTAL		*
Y1463	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
Y1603	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
Y1605-07	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
Y1801-02	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
Y1955	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
Y1957	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

CRT SOCKET P.W. BOARD ASS'Y (SJH-3001A-U2)

Refer to PARTS LIST in page 40 for this P.W. board.

FRONT CONTROL P.W. BOARD ASS'Y (SJH-8001A-U2)

Refer to PARTS LIST in page 41 for this P.W. board.

IF P.W. BOARD ASS'Y (SJH0F001A-U2)

⚠ Symbol No.	Part No.	Part Name	Description	Local
RESISTOR				
R0003	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
R0004	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
R0005-06	NRSA02J-104X	MG R	100kΩ 1/10W J	*
R0007	NRSA02J-273X	MG R	27kΩ 1/10W J	*
R0008	NRSA02J-151X	MG R	150Ω 1/10W J	*
R0009	NRSA02J-224X	MG R	220kΩ 1/10W J	*
R0011	NRSA02J-103X	MG R	10kΩ 1/10W J	*
R0012	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R0013	NRSA02J-393X	MG R	39kΩ 1/10W J	*
R0014	NRSA02J-124X	MG R	120kΩ 1/10W J	*
R0015	NRSA02J-104X	MG R	100kΩ 1/10W J	*
R0020	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
R0021	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
R0022	NRSA02J-331X	MG R	330Ω 1/10W J	*
R0023	NRSA02J-101X	MG R	100Ω 1/10W J	*
R0024	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R0025	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
R0026	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
R0030-31	NRSA02J-150X	MG R	15Ω 1/10W J	*
R0032	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
R0033	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
R0034	NRSA02J-391X	MG R	390Ω 1/10W J	*
R0035	NRSA02J-101X	MG R	100Ω 1/10W J	*
R0036	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R0037	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R0104	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
R0105	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R0107-08	NRSA02J-102X	MG R	1kΩ 1/10W J	*
R0109	NRSA02J-221X	MG R	220Ω 1/10W J	*
R0110	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
R0111-12	NRSA02J-151X	MG R	150Ω 1/10W J	*
R0113	NRSA02J-331X	MG R	330Ω 1/10W J	*
R0114	NRSA02J-561X	MG R	560Ω 1/10W J	*
R0115	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
R0116	NRSA02J-561X	MG R	560Ω 1/10W J	*
R0124	NRSA02J-103X	MG R	10kΩ 1/10W J	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
CAPACITOR				
C0002	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
C0003	NCB21HK-103X	C CAP.	0.01µF 50V K	*
C0004	NCB21EK-104X	C CAP.	0.1µF 25V K	*
C0005-06	NCB21HK-103X	C CAP.	0.01µF 50V K	*
C0007	QETN1HM-474Z	E CAP.	0.47µF 50V M	*
C0009	NCB21HK-103X	C CAP.	0.01µF 50V K	*
C0010-11	QETN1CM-476Z	E CAP.	47µF 16V M	*
C0012	NCB21HK-103X	C CAP.	0.01µF 50V K	*
C0020	NCB21HK-472X	C CAP.	4700pF 50V K	*
C0022-23	NCB21HK-472X	C CAP.	4700pF 50V K	*
C0025	NCB21HK-472X	C CAP.	4700pF 50V K	*
C0030	NCB21HK-472X	C CAP.	4700pF 50V K	*
C0032	NCB21HK-103X	C CAP.	0.01µF 50V K	*
C0047	QETN1CM-227Z	E CAP.	220µF 16V M	*
C0101	QETN1CM-476Z	E CAP.	47µF 16V M	*
C0104	NDC21HJ-271X	C CAP.	270pF 50V J	*
C0105	NCF21EZ-104X	C CAP.	0.1µF 25V Z	*
C0110	NCB21HK-103X	C CAP.	0.01µF 50V K	*
C0111	QETN1CM-476Z	E CAP.	47µF 16V M	*
TRANSFORMER				
T0001	CELT001-307	C.WAVE TRANSF.		*
T0020	QQR0626-001	I.F.TRANSF.		*
COIL				
L0020	QQLZ014-R47	PEAKING COIL	0.47µH	*
L0021	QQL01BK-1R5Z	COIL	1.5µH	*
L0041	QQL01BK-100Z	COIL	10µH	*
L0103	QQL01BK-100Z	COIL	10µH	*
L0104	QQL01BK-5R6Z	COIL	5.6µH	*
TRANSISTOR				
Q0001	2SA1162/YG/-X	SI.TRANSISTOR		*
Q0002-03	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0012	2SC5083/L-P/-T	SI.TRANSISTOR		*
Q0104	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0106	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0107	2SA1162/YG/-X	SI.TRANSISTOR		*
Q0109-10	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0112-13	DTC144EKA-X	DIGI.TRANSISTOR		*
Q0124	DTC144EKA-X	DIGI.TRANSISTOR		*
IC				
IC0010	M52760SP	I C		
OTHERS				
CF0010-11	FTP40.40MF	CERAMIC FILTER		*
CF0100	TPS5.5MW	CERAMIC FILTER		*
SF0010	QAX0531-001	SAW FILTER		*
SF0012	QAX0352-003	SAW FILTER		
W0011-14	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0025	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
Y0001-02	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

AV SEL & MSP P.W. BOARD ASS'Y (SJH0S001A-U2)

Refer to PARTS LIST in page 42 for this P.W. board.

AV-29TS4EP

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SJH-1701A-U2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1001	QRK126J-474X	C R	470kΩ 1/2W J	*
	R1002	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1003-06	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1101-02	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1103-04	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1105	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1106	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1107	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1108	NRSA02J-105X	MG R	1MΩ 1/10W J	*
	R1109	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1112-14	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1115-18	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1119	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1120	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1121	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1123	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1125	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1401-02	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1403	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1404	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1405	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1406	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1407-08	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1409	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1411	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1412	QRA14CF-2202Y	MF R	22kΩ 1/4W F	*
	R1413	QRA14CF-1002Y	MF R	10kΩ 1/4W F	*
	R1414	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1415	QRE121J-2R7Y	C R	2.7Ω 1/2W J	*
	R1416	QRX01GJ-1R2	MF R	1.2Ω 1W J	*
	R1419	QRE121J-1R0Y	C R	1.0Ω 1/2W J	*
	R1420	QRG01GJ-101	OM R	100Ω 1W J	*
	R1461	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1462	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1463-64	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1465	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1466	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1467	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1468	QRA14CF-2491Y	MF R	2.49kΩ 1/4W F	*
	R1469-70	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1471	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1472	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1473	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1474	NRSA02J-331X	MG R	330Ω 1/10W J	*
⚠	R1475	QRJ146J-2R2X	C R	2.2Ω 1/4W J	*
	R1476	QRE121J-103Y	C R	10kΩ 1/2W J	*
	R1477	QRE121J-222Y	C R	2.2kΩ 1/2W J	*
	R1478	QRE121J-183Y	C R	18kΩ 1/2W J	*
	R1479	QRL039J-330	OM R	33Ω 3W J	*
	R1480-82	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1483	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1484	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1485	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1486	NRSA02J-272X	MG R	2.7kΩ 1/10W J	*
	R1501	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1502	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1503	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1504	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1505	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1506	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1507	QRE121J-152Y	C R	1.5kΩ 1/2W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1508	QRG029J-182	OM R	1.8kΩ 2W J	*
	R1509	QRG029J-222	OM R	2.2kΩ 2W J	*
	R1521	QRE121J-150Y	C R	15Ω 1/2W J	*
	R1522	QRG029J-103	OM R	10kΩ 2W J	*
	R1523	QRE121J-471Y	C R	470Ω 1/2W J	*
	R1525	QRF074K-3R3	UNF R	3.3Ω 7W K	*
	R1531	QRE121J-104Y	C R	100kΩ 1/2W J	*
	R1532	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1533	QRE121J-152Y	C R	1.5kΩ 1/2W J	*
⚠	R1552	QRZ9017-4R7	FUSI.RESISTOR	4.7 Ω 1/4W J	*
⚠	R1553	QRZ9021-1R0	FUSI.RESISTOR	1 Ω 1W J	*
⚠	R1554	QRZ9021-1R0	FUSI.RESISTOR	1 Ω 1W J	*
	R1555	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1556-57	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1581	QRE121J-562Y	C R	5.6kΩ 1/2W J	*
	R1582	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1583	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1584	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
⚠	R1585	QRA14CF-1582Y	MF R	15.8kΩ 1/4W F	*
⚠	R1586	QRA14CF-2941Y	MF R	2.94kΩ 1/4W F	*
	R1587	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1601	QRK126J-2R2X	C R	2.2Ω 1/2W J	*
	R1603	QRK126J-2R2X	C R	2.2Ω 1/2W J	*
	R1604-05	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1606	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1607	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1608	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1609	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1610	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1611	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1613-14	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1615	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1616-17	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1618-19	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1620	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1621	NRSA02J-561X	MG R	560Ω 1/10W J	*
	R1632	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1633	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1634	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1635	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1636-37	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1638	NRSA02J-681X	MG R	680Ω 1/10W J	*
	R1639	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1640	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1641	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1701-02	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1703	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1704	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1707-09	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1710-12	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1713	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1715-17	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1718-19	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1720	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1721	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1722	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1723	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1724	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1725	NRSA02J-392X	MG R	3.9kΩ 1/10W J	*
	R1726	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1727	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1729	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1730	NRSA02J-823X	MG R	82kΩ 1/10W J	*
	R1731	NRSA02J-563X	MG R	56kΩ 1/10W J	*
	R1732	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1733-34	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1735	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1736	NRSA02J-153X	MG R	15kΩ 1/10W J	*
	R1737	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1738	NRSA02J-274X	MG R	270kΩ 1/10W J	*
	R1740	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1741	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1743	NRSA02J-101X	MG R	100Ω 1/10W J	*
	R1744	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1745	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1747-49	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1751-56	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1759	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1760	NRSA02J-821X	MG R	820Ω 1/10W J	*
	R1761	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1762	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1763	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1764	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1768-73	NRSA02J-472X	MG R	4.7kΩ 1/10W J	*
	R1775	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1776	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1777-78	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1779	NRSA02J-223X	MG R	22kΩ 1/10W J	*
	R1780-81	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1782	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1783	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1784-85	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1786-92	NRSA02J-221X	MG R	220Ω 1/10W J	*
	R1793	NRSA02J-104X	MG R	100kΩ 1/10W J	*
	R1801	NRSA02J-471X	MG R	470Ω 1/10W J	*
	R1802-03	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1804	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1805	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1808-10	NRSA02J-333X	MG R	33kΩ 1/10W J	*
	R1811	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*
	R1812	NRSA02J-822X	MG R	8.2kΩ 1/10W J	*
	R1813	NRSA02J-331X	MG R	330Ω 1/10W J	*
	R1814	NRSA02J-391X	MG R	390Ω 1/10W J	*
	R1815	NRSA02J-122X	MG R	1.2kΩ 1/10W J	*
	R1819	NRSA02J-393X	MG R	39kΩ 1/10W J	*
	R1820	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1822	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1823	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1824	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1825	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1826	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1827	NRSA02J-152X	MG R	1.5kΩ 1/10W J	*
	R1828	NRSA02J-271X	MG R	270Ω 1/10W J	*
	R1901	QRF104K-3R9	UNF R	3.9Ω 10W K	*
	R1902-03	QRE121J-474Y	C R	470kΩ 1/2W J	*
	R1904	QRG039J-473	OM R	47kΩ 3W J	*
	R1905	QRG039J-333	OM R	33kΩ 3W J	*
	R1906	QRE121J-102Y	C R	1kΩ 1/2W J	*
	R1907	QRM059J-R27	MP R	0.27Ω 5W J	*
	R1910	NRSA02J-181X	MG R	180Ω 1/10W J	*
	R1911	QRE121J-470Y	C R	47Ω 1/2W J	*
	R1912	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
	R1914	NRSA02J-682X	MG R	6.8kΩ 1/10W J	*
	R1915	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1916	NRSA02J-273X	MG R	27kΩ 1/10W J	*
	R1917	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1918	NRSA02J-102X	MG R	1kΩ 1/10W J	*
	R1919	NRSA02J-332X	MG R	3.3kΩ 1/10W J	*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R1920	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1921	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1922	NRSA02J-224X	MG R	220kΩ 1/10W J	*
	R1951	QRF074J-102	UNF R	1kΩ 7W J	*
	R1952	QRL029J-473	OM R	47kΩ 2W J	*
	R1953	NRSA02J-222X	MG R	2.2kΩ 1/10W J	*
	R1954	NRSA02J-473X	MG R	47kΩ 1/10W J	*
	R1955	NRSA02J-103X	MG R	10kΩ 1/10W J	*
	R1956	QRX039J-R82	MF R		
	R1958	NRSA02J-220X	MG R	22Ω 1/10W J	*
	R1959	NRSA02J-123X	MG R	12kΩ 1/10W J	*
	R1960	NRSA02J-470X	MG R	47Ω 1/10W J	*
	R1961	NRSA02J-562X	MG R	5.6kΩ 1/10W J	*
	R1963	NRSA02J-183X	MG R	18kΩ 1/10W J	*
	R1964	QRG01GJ-120	OM R	12Ω 1W J	*
	R1966	QRG029J-180	OM R	18 Ω 2W J	*
	R1967	QRG029J-223	OM R	22kΩ 2W J	*
	R1968	QRG029J-270	OM R	27 Ω 2W J	*
	R1969	QRG01GJ-121	OM R	120Ω 1W J	*
⚠	R1991	QRZ0057-825	C R	8.2MΩ 1W J	*
	CAPACITOR				
	C1001	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1002	NCB21HK-222X	C CAP.	2200pF 50V K	*
	C1003	QETN1CM-108Z	E CAP.	1000µF 16V M	*
	C1004	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1005	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1006	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1007-09	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1010	QETN1CM-108Z	E CAP.	1000µF 16V M	*
	C1011	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1102-03	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1104	NCB21HK-823X	CHIP CAP.	0.082µF 50V K	*
	C1105	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C1107-08	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1109	QETN1CM-108Z	E CAP.	1000µF 16V M	*
	C1110	NDC21HJ-120X	C CAP.	12pF 50V J	*
	C1111	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1112	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1113-15	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1116	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1117	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1118-20	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1121	QETN1HM-475Z	E CAP.	4.7µF 50V M	*
	C1122	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1123	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1124	QETN1HM-106Z	E CAP.	10µF 50V M	*
	C1125	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1126	QETN1CM-476Z	E CAP.	47µF 16V M	*
	C1127	NCB21HK-103X	C CAP.	0.01µF 50V K	*
	C1128	NDC21HJ-390X	C CAP.	39pF 50V J	*
	C1129	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1401	QETN1HM-105Z	E CAP.	1µF 50V M	*
	C1407	QEHR1VM-227Z	E CAP.	220µF 35V M	
	C1408	QETN1CM-107Z	E CAP.	100µF 16V M	*
	C1409	NDC21HJ-152X	C CAP.	1500pF 50V J	*
	C1410	QETM1VM-108	E CAP.	1000µF 35V M	*
	C1412	NCB21HK-104X	CHIP CAP.	0.1µF 50V K	*
	C1413	QCZ0337-180Z	C CAP.	18pF 500V J	
	C1416	NCB21HK-152X	C CAP.	1500pF 50V K	*
	C1417	QFLC2AJ-563Z	M CAP.	0.056µF 100V J	*
	C1418	QFV71HJ-154Z	MF CAP.	0.15µF 50V J	*
	C1424	NDC21HJ-680X	C CAP.	68pF 50V J	*
	C1428	QFLC2AK-104Z	M CAP.	0.1µF 100V K	*
	C1461	QFLC1HJ-823Z	M CAP.	0.082µF 50V J	*
	C1462	QFV71HJ-184Z	MF CAP.	0.18µF 50V J	*

⚠	Symbol No.	Part No.	Part Name	Description			Local
CAPACITOR							
	C1463	QEM61EK-225Z	E CAP.	2.2µF	25V	K	*
	C1464	QFP31HG-333	PP CAP.	0.033µF	50V	G	*
	C1468	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1469	NCS21HJ-121X	C CAP.	120pF	50V	J	*
	C1470	NDC21HJ-331X	C CAP.	330pF	50V	J	*
	C1471	QETM1CM-228	E CAP.	2200µF	16V	M	*
	C1472	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
	C1473	QEM61HK-475Z	E CAP.	4.7µF	50V	K	*
	C1474	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
	C1481	QEHR1HM-106Z	E CAP.	10µF	50V	M	
	C1501	QETN1CM-107Z	E CAP.	100µF	16V	M	*
	C1502-04	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
	C1505	NCB21HK-822X	C CAP.	8200pF	50V	K	*
	C1506	QETN1HM-105Z	E CAP.	1µF	50V	M	*
	C1507	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
	C1509	QCB32HK-681Z	C CAP.	680pF	500V	K	*
	C1510	QEHC2CM-105Z	E CAP.	1µF	160V	M	*
⚠	C1521	QFZ0152-4001	MPP CAP.	4000pF1.5kVH±2.5%			*
⚠	C1522	QFZ0152-9501	MPP CAP.	9500pF1.5kVH±2.5%			*
⚠	C1523	QFP32GJ-223	PP CAP.	0.022µF	400V	J	
⚠	C1524	QFZ0119-684	MPP CAP.	0.68µF	200V	±3%	*
⚠	C1525	QFZ0194-364	MM CAP.	0.36µF	250V	J	*
	C1526	QEHC2EM-475Z	E CAP.	4.7µF	250V	M	*
	C1527	QCB32HK-561Z	C CAP.	560pF	500V	K	*
	C1528	QETM2CM-227	E CAP.	220µF	160V	M	*
⚠	C1531	QFZ0119-154	MPP CAP.	0.51µF	200V	±3%	*
	C1552-53	QEHB1EM-108	E CAP.	1000µF	25V	M	*
	C1554	QETN2EM-106Z	E CAP.	10µF	250V	M	*
	C1555	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1581	QETN1AM-107Z	E CAP.	100µF	10V	M	*
	C1582	QETN1CM-476Z	E CAP.	47µF	16V	M	*
	C1583	QETN2AM-106Z	E CAP.	10µF	100V	M	*
	C1584	QETN1AM-227Z	E CAP.	220µF	10V	M	*
	C1602-03	QETN1HM-105Z	E CAP.	1µF	50V	M	*
	C1604	QETN1HM-107Z	E CAP.	100µF	50V	M	*
	C1605	QETN1HM-106Z	E CAP.	10µF	50V	M	*
	C1606-09	NCF21HZ-224X	C CAP.	0.22µF	50V	Z	*
	C1610	QETM1VM-108	E CAP.	1000µF	35V	M	*
	C1612	QETM1VM-108	E CAP.	1000µF	35V	M	*
	C1615	QETN1CM-227Z	E CAP.	220µF	16V	M	*
	C1616	QETM1HM-228	E CAP.	2200µF	50V	M	*
	C1620	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1630	QETN1CM-227Z	E CAP.	220µF	16V	M	*
	C1631	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1633	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1636-37	NCF21CZ-105X	C CAP.	1µF	16V	Z	*
	C1638-39	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
	C1701	QETN1EM-108Z	E CAP.	1000µF	25V	M	*
	C1702	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1703	QETN1HM-106Z	E CAP.	10µF	50V	M	*
	C1704	QETN1AM-227Z	E CAP.	220µF	10V	M	*
	C1705	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1706	QETN1HM-106Z	E CAP.	10µF	50V	M	*
	C1707	QETN1HM-105Z	E CAP.	1µF	50V	M	*
	C1709	NDC21HJ-680X	C CAP.	68pF	50V	J	*
	C1711	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1712	QETN1AM-107Z	E CAP.	100µF	10V	M	*
	C1713	NDC21HJ-220X	C CAP.	22pF	50V	J	*
	C1714	NCS21HJ-471X	C CAP.	470pF	50V	J	*
	C1715	NCB21HK-333X	C CAP.	0.033µF	50V	K	*
	C1716	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1718	NDC21HJ-560X	C CAP.	56pF	50V	J	*
	C1719	NCB21HK-102X	C CAP.	1000pF	50V	K	*
	C1720	QENC1HM-105Z	BP E CAP.	1µF	50V	M	*
	C1721	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1730	NCF21CZ-105X	C CAP.	1µF	16V	Z	*
	C1731	NDC21HJ-331X	C CAP.	330pF	50V	J	*

⚠	Symbol No.	Part No.	Part Name	Description			Local
CAPACITOR							
	C1807	QETN1CM-476Z	E CAP.	47µF	16V	M	*
	C1809	QETN1HM-106Z	E CAP.	10µF	50V	M	*
	C1811	QETN1HM-106Z	E CAP.	10µF	50V	M	*
	C1812	QETN1CM-107Z	E CAP.	100µF	16V	M	*
	C1813	QETN1HM-106Z	E CAP.	10µF	50V	M	*
	C1814	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
	C1815	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1816	QETN1HM-226Z	E CAP.	22µF	50V	M	*
	C1817	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
	C1818	NCB21HK-223X	C CAP.	0.022µF	50V	K	*
	C1819	NDC21HJ-221X	C CAP.	220pF	50V	J	*
	C1820-21	NDC21HJ-150X	C CAP.	15pF	50V	J	*
	C1822	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1823-24	NCB21HK-102X	C CAP.	1000pF	50V	K	*
	C1825	NDC21HJ-221X	C CAP.	220pF	50V	J	*
	C1826	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1827	QETN0JM-477Z	E CAP.	470µF	6.3V	M	*
	C1828-29	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
⚠	C1901	QCZ9054-472	C CAP.	4700pFAC250V		Z	*
⚠	C1902	QCZ9054-472	C CAP.	4700pFAC250V		Z	*
⚠	C1903	QCZ9054-472	C CAP.	4700pFAC250V		Z	*
	C1904	QEZ0199-227	E CAP.	220µF	400V	M	*
	C1905	QCB32HK-103	C CAP.	0.01µF	500V	K	*
	C1906	QCZ0122-391	C CAP.	220pF	2000V	K	*
	C1908	QCZ0122-221	C CAP.	220pF	2000V	K	*
	C1909	QCZ0122-391	C CAP.	390pF	2000V	K	*
	C1911	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1912	QETN1EM-107Z	E CAP.	100µF	25V	M	*
	C1913	NCB21HK-102X	C CAP.	1000pF	50V	K	*
	C1914	NCS21HJ-101X	C CAP.	100pF	50V	J	*
	C1915	NCB21HK-102X	C CAP.	1000pF	50V	K	*
	C1916	QETN1HM-105Z	E CAP.	1µF	50V	M	*
	C1917	NCB21HK-102X	C CAP.	1000pF	50V	K	*
	C1951	QCZ0131-561	C CAP.	390pF	2000V	K	
	C1952-53	QCZ0132-102Z	C CAP.	1000pF	500V	K	*
	C1954	QCZ0135-101Z	C CAP.	100pF	1000V	K	*
	C1955	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1956	QEZ0203-227	E CAP.	220µF	160V	M	*
	C1957	QEZ0257-228	E CAP.	2200µF	25V	M	*
	C1959	QEHR1EM-108Z	E CAP.	1000µF	25V	M	
	C1962	QEHR1CM-477Z	E CAP.	470µF	16V	M	
	C1965	QEHB1VM-108	E CAP.	1000µF	35V	M	*
	C1966	NCB21HK-473X	C CAP.	0.047µF	50V	K	*
	C1972	QFV71HJ-684Z	MF CAP.	0.68µF	50V	J	*
	C1973	QCB32HK-392Z	C CAP.	3900pF	500V	K	*
	C1974-75	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1976	QETN1CM-227Z	E CAP.	220µF	16V	M	*
	C1977	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1978	QEHR1CM-227Z	E CAP.	220µF	16V	M	
	C1979	NCB21HK-104X	CHIP CAP.	0.1µF	50V	K	*
	C1980	QEHC1AM-227Z	E CAP.	220µF	10V	M	*
	C1981	QETN1CM-227Z	E CAP.	220µF	16V	M	*
⚠	C1992	QCZ9079-471	C CAP.	470pFAC250V		K	*
⚠	C1993	QCZ9079-332	C CAP.	3300pFAC250V		K	*
	C1994	NCB21HK-103X	C CAP.	0.01µF	50V	K	*
TRANSFORMER							
	T1501	CE42034-002	H.DRIVE TRANSF.				*
	T1521	CE42549-001J1	BRIGE COIL				*
⚠	T1901	CETS120-001J7	SW TRANSF.				*
COIL							
	L1001	QQL01BK-270Z	COIL	27µH			*
	L1003-04	QQL01BK-8R2Z	COIL	8.2µH			*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	COIL				
	L1006	QQL01BK-5R6Z	COIL	5.6µH	*
	L1010	QQL01BK-5R6Z	COIL	5.6µH	*
	L1101	QQL01BK-221Z	COIL	220µH	*
	L1102	QQL01BK-4R7Z	COIL	4.7µH	*
	L1103	QQL01BK-330Z	COIL	33µH	*
	L1461	CE42567-001J1	INJECTION COIL		*
	L1521	CELL011-002J1	LINEARITY COIL		*
	L1551	QQLZ018-860	HEATER CHOKE		*
	L1701	QQL01BK-8R2Z	COIL	8.2µH	*
	L1702	QQL01BK-221Z	COIL	220µH	*
	L1801	QQL01BK-3R3Z	COIL	3.3µH	*
	L1802	QQL01BK-4R7Z	COIL	4.7µH	*
	L1901	QQL26AM-2R7Z	CHOKE COIL		*
	L1951	QQLZ018-460	HEATER CHOKE		*
	L1954	QQL26AK-220Z	COIL	22µH	*
	L1958	QQL26AM-5R6Z	CHOKE COIL		*
	L1960-61	QQL26AM-5R6Z	CHOKE COIL		*
	DIODE				
	D1101	MA111-X	SI.DIODE		*
	D1402	1N4003-T2	SI.DIODE		*
	D1461	MA3039/H/-X	ZENER DIODE		*
	D1462	MA3120/M/-X	ZENER DIODE		*
	D1463-64	MA3220/M/-X	ZENER DIODE		*
	D1481	MA111-X	SI.DIODE		*
	D1482	MA3220/M/-X	ZENER DIODE		*
	D1501	MA3091/M/-X	ZENER DIODE		*
	D1521	BY228-20	SI.DIODE		*
	D1522	BYW95B-20	SI.DIODE		*
	D1523	BYD33G-T3	SI.DIODE		*
	D1551-52	BYW95B-20	SI.DIODE		*
	D1553-54	BYD33G-T3	SI.DIODE		*
	D1555	BYD33D-T3	SI.DIODE		*
	D1581	MA3150/M/-X	ZENER DIODE		*
	D1582	MA3075/M/-X	CHIP ZENER DIODE		*
	D1583	BYD33D-T3	SI.DIODE		*
	D1584	MTZJ7.5S-T2	ZENER DIODE		*
	D1601-02	MA3330/L/-X	ZENER DIODE		
	D1604	MA153A-X	SI.DIODE		*
	D1605	MA111-X	SI.DIODE		*
	D1606	MA153A-X	SI.DIODE		
	D1608	MA111-X	SI.DIODE		*
	D1609	MA152WK-X	SI.DIODE		*
	D1613	MA111-X	SI.DIODE		*
	D1615	MA111-X	SI.DIODE		*
	D1701-02	MA704A-X	SI.DIODE		
	D1708-11	MA111-X	SI.DIODE		*
	D1715	MA111-X	SI.DIODE		*
	D1716	MA3068/M/-X	ZENER DIODE		*
	D1801-02	MA111-X	SI.DIODE		*
⚠	D1901	D3SBA60	DIODE BRIDGE		*
	D1902	BYD33M-T3	SI.DIODE		*
	D1903	BYD33D-T3	SI.DIODE		*
	D1951	RU4B-F1	SI.DIODE		*
	D1952-53	BYD33M-T3	SI.DIODE		*
	D1954	MCR22-6	THYRISTOR		*
	D1955	1SR35-400A-T2	SI.DIODE		*
	D1956	BYD33D-T3	SI.DIODE		*
	D1957-58	BYW95B-20	SI.DIODE		*
	D1959	SF6L20U	SI.DIODE		
	D1962	MTZJ7.5B-T2	ZENER DIODE		*
	D1964	MA3150/M/-X	ZENER DIODE		*
	D1965	MA3075/H/-X	ZENER DIODE		*
	D1966	MA3330/L/-X	ZENER DIODE		
	D1967	MA3051/M/-X	ZENER DIODE		*
	D1980-82	MA111-X	SI.DIODE		*
	D1983	MTZJ22B-T2	ZENER DIODE		*

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
	D1984	1SR35-400A-T2	SI.DIODE		*
	TRANSISTOR				
	Q1101	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1103	DTC144EKA-X	DIGI.TRANSISTOR		*
	Q1461-64	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1465	2SD1408/OY/-LB	SI.TRANSISTOR		*
	Q1481-82	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1501	BSN274	F.E.T.		*
⚠	Q1521	BU2508AX	POWER TRANSISTOR	H.OUT	*
	Q1531	2SK2459N-F54	POWER MOS FET		
	Q1532	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1581	2SA949/Y/Z1	SI.TRANSISTOR		*
	Q1582	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1583	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1601	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1602	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1603-04	DTC323TK-X	DIGI.TRANSISTOR		*
	Q1605-06	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1607-08	DTC323TK-X	DIGI.TRANSISTOR		*
	Q1610-11	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1701-06	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1707	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1801	2SA1162/YG/-X	SI.TRANSISTOR		*
	Q1802	DTC124EKA-X	DIGI.TRANSISTOR		*
	Q1806-07	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1901	MTA4N60E	F.E.T.		*
	Q1951	2SC2712/YG/-X	SI.TRANSISTOR		*
	Q1952-53	DTC124EKA-X	DIGI.TRANSISTOR		*
	IC				
	IC1101	TB1227AN	I.C.(DIGI-OTHER)		*
	IC1401	LA7845N	I.C.(MONO-ANA)		
	IC1461	TA8859CP	I.C.(MONO-ANA)		*
	IC1601	TA8246H	I C		
	IC1701	M37207MF-155SP	I.C(MICRO-COMP)		
	IC1702	L78LR05E-MA	I.C.(MONO-ANA)		*
	IC1703	AT24C1629TS4EN	I.C.	(SERVICE)	
	IC1802	TC4053BP/N/	I C		
	IC1804	CF70206	I.C(DIGI-MOS)		*
	IC1805	CF72417	I.C.(DIGI-MOS)		*
	IC1901	MC44604P	I.C.(MONO-ANA)		*
	IC1951	BA12T	I C		
	IC1952	AN7809F	I.C.(MONO-ANA)		*
	IC1953	AN7805F	I.C.(MONO-ANA)		*
	IC1954	SE135N	I.C.(HYBRID)		*
	OTHERS				
		CM48279-001-E	SHIELD PLATE		*
	CN1006	CHC108N-25T-AE	FFC CONNECTOR		*
⚠	CP1951	ICP-N50-Y	I.C.PROTECT		*
⚠	CP1952	ICP-N50-Y	I.C.PROTECT		*
⚠	CP1955	ICP-N38-Y	I.C.PROTECT		*
	J1001	QNN0296-001	PIN JACK		*
	K1001	CE41433-001Z	BEADS CORE		*
	K1002-03	CE42681-001Y	BEADS CORE		*
	K1005	CE41433-001Z	BEADS CORE		*
	K1402	CE41433-001Z	BEADS CORE		*
	K1403	CE42681-001Y	BEADS CORE		*
	K1601-02	CE42681-001Y	BEADS CORE		*
	K1901	QQR0872-001Y	FERRITE BEADS		*
	K1903	QQR0872-001Y	FERRITE BEADS		*
	K1951	QQR0872-001Y	FERRITE BEADS		*
	K1953-55	CE41433-001Z	BEADS CORE		*

⚠	Symbol No.	Part No.	Part Name	Description		Local
	OTHERS					
	PC1531	TLP621(B)	I.C.(PH.COUPLER)			*
⚠	PC1901	TLP721F(D4-GR)	I.C.(PH.COUPLER)			*
	TU1001	CEEK481-B04	TUNER			*
	X1101	QAX0305-001Z	CRYSTAL			*
	X1701	CST8.00MTW	CER.RESONATOR			*
	X1801	CE41257-001Z	CRYSTAL			*
	Y1463	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	Y1603	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	Y1605-07	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	Y1801-02	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	Y1955	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	Y1957	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*

CRT SOCKET P.W. BOARD ASS'Y (SJH-3001A-U2)

Refer to PARTS LIST in page 40 for this P.W. board.

FRONT CONTROL P.W. BOARD ASS'Y (SJH-8001A-U2)

Refer to PARTS LIST in page 41 for this P.W. board.

IF P.W. BOARD ASS'Y (SJH0F701A-U2)

⚠	Symbol No.	Part No.	Part Name	Description		Local
	RESISTOR					
	R0020	NRSA02J-472X	MG R	4.7kΩ 1/10W	J	*
	R0021	NRSA02J-122X	MG R	1.2kΩ 1/10W	J	*
	R0022	NRSA02J-331X	MG R	330Ω 1/10W	J	*
	R0023	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R0024	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R0025	NRSA02J-222X	MG R	2.2kΩ 1/10W	J	*
	R0026	NRSA02J-122X	MG R	1.2kΩ 1/10W	J	*
	R0027-28	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R0030-31	NRSA02J-150X	MG R	15Ω 1/10W	J	*
	R0050-51	NRSA02J-121X	MG R	120Ω 1/10W	J	*
	R0052-53	NRSA02J-561X	MG R	560Ω 1/10W	J	*
	R0057	NRSA02J-472X	MG R	4.7kΩ 1/10W	J	*
	R0058	NRSA02J-272X	MG R	2.7kΩ 1/10W	J	*
	R0059	NRSA02J-273X	MG R	27kΩ 1/10W	J	*
	R0060-61	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R0062	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R0063	NRSA02J-822X	MG R	8.2kΩ 1/10W	J	*
	R0064	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R0065	NRSA02J-470X	MG R	47Ω 1/10W	J	*
	R0071	NRSA02J-393X	MG R	39kΩ 1/10W	J	*
	R0080-81	NRSA02J-473X	MG R	47kΩ 1/10W	J	*
	R0082	NRSA02J-272X	MG R	2.7kΩ 1/10W	J	*
	R0101	NRSA02J-822X	MG R	8.2kΩ 1/10W	J	*
	R0102	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R0103	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R0104	NRSA02J-121X	MG R	120Ω 1/10W	J	*
	R0105	NRSA02J-151X	MG R	150Ω 1/10W	J	*
	R0106	NRSA02J-331X	MG R	330Ω 1/10W	J	*
	R0107	NRSA02J-221X	MG R	220Ω 1/10W	J	*

⚠	Symbol No.	Part No.	Part Name	Description		Local
	RESISTOR					
	R0113	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J	*
	R0114	NRSA02J-471X	MG R	470Ω 1/10W	J	*
	R0115	NRSA02J-332X	MG R	3.3kΩ 1/10W	J	*
	R0116	NRSA02J-561X	MG R	560Ω 1/10W	J	*
	R0117	NRSA02J-332X	MG R	3.3kΩ 1/10W	J	*
	R0120-24	NRSA02J-103X	MG R	10kΩ 1/10W	J	*
	R0140	NRSA02J-474X	MG R	470kΩ 1/10W	J	*
	R0141	NRSA02J-101X	MG R	100Ω 1/10W	J	*
	R0142	NRSA02J-391X	MG R	390Ω 1/10W	J	*
	R0143	NRSA02J-750X	MG R	75Ω 1/10W	J	*
	R0144	NRSA02J-684X	MG R	680kΩ 1/10W	J	*
	R0145	NRSA02J-332X	MG R	3.3kΩ 1/10W	J	*
	R0146	NRSA02J-104X	MG R	100kΩ 1/10W	J	*
	R0601	NRSA02J-822X	MG R	8.2kΩ 1/10W	J	*
	R0602	NRSA02J-102X	MG R	1kΩ 1/10W	J	*
	R0603	NRSA02J-104X	MG R	100kΩ 1/10W	J	*
	R0604	NRSA02J-683X	MG R	68kΩ 1/10W	J	*
	R0605-06	NRSA02J-392X	MG R	3.9kΩ 1/10W	J	*
	R0607-08	NRSA02J-562X	MG R	5.6kΩ 1/10W	J	*
⚠	R0609	QRZ9017-470	FUSI.RESISTOR	47 Ω 1/4W	J	*

	CAPACITOR					
	C0020	NCB21HK-472X	C CAP.	4700pF	50V K	*
	C0022-25	NCB21HK-472X	C CAP.	4700pF	50V K	*
	C0030	NCB21HK-472X	C CAP.	4700pF	50V K	*
	C0040	NDC21HJ-102X	C CAP.	1000pF	50V J	*
	C0041	QETN1CM-107Z	E CAP.	100µF	16V M	*
	C0042	NCB21HK-103X	C CAP.	0.01µF	50V K	*
	C0043	QETN1CM-107Z	E CAP.	100µF	16V M	*
	C0044	NCB21HK-103X	C CAP.	0.01µF	50V K	*
	C0045	NCB21HK-472X	C CAP.	4700pF	50V K	*
	C0046	NCB21HK-103X	C CAP.	0.01µF	50V K	*
	C0047	QETN1CM-227Z	E CAP.	220µF	16V M	*
	C0050	QETN1HM-105Z	E CAP.	1µF	50V M	*
	C0051	NCB21HK-472X	C CAP.	4700pF	50V K	*
	C0053	NDC21HJ-6R0X	C CAP.	6.0pF	50V J	*
	C0054	NCB21HK-103X	C CAP.	0.01µF	50V K	*
	C0055	QETN1CM-107Z	E CAP.	100µF	16V M	*
	C0056	QETN1HM-474Z	E CAP.	0.47µF	50V M	*
	C0057	NDC21HJ-102X	C CAP.	1000pF	50V J	*
	C0058	NCB21HK-472X	C CAP.	4700pF	50V K	*
	C0060	NDC21HJ-120X	C CAP.	12pF	50V J	*
	C0061	NDC21HJ-7R0X	C CAP.	7.0pF	50V J	*
	C0062	QETN1HM-474Z	E CAP.	0.47µF	50V M	*
	C0063	NCB21HK-103X	C CAP.	0.01µF	50V K	*
	C0064	NCB21HK-472X	C CAP.	4700pF	50V K	*
	C0065	QETN1HM-105Z	E CAP.	1µF	50V M	*
	C0067	NDC21HJ-120X	C CAP.	12pF	50V J	*
	C0069-70	NCB21HK-103X	C CAP.	0.01µF	50V K	*
	C0071	QETN1HM-336Z	E CAP.	33µF	50V M	*
	C0080-81	NCB21HK-472X	C CAP.	4700pF	50V K	*
	C0101	QETN1CM-476Z	E CAP.	47µF	16V M	*
	C0102	NDC21HJ-221X	C CAP.	220pF	50V J	*
	C0103	NDC21HJ-121X	C CAP.	120pF	50V J	*
	C0105	NCB21HK-103X	C CAP.	0.01µF	50V K	*
	C0140	QETN1HM-335Z	E CAP.	3.3µF	50V M	*
	C0141	NCB21HK-332X	C CAP.	3300pF	50V K	*
	C0142	QETN1HM-105Z	E CAP.	1µF	50V M	*
	C0143	QFLC1HJ-683Z	M CAP.	0.068µF	50V J	*
	C0144	QETN1HM-335Z	E CAP.	3.3µF	50V M	*
	C0145	NCB21HK-222X	C CAP.	2200pF	50V K	*
	C0601	QFLC1HJ-183Z	M CAP.	0.018µF	50V J	*
	C0602	QETN1CM-476Z	E CAP.	47µF	16V M	*
	C0603	QETN1HM-106Z	E CAP.	10µF	50V M	*
	C0604	QETN1HM-105Z	E CAP.	1µF	50V M	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
CAPACITOR				
C0605	QETN1CM-477Z	E CAP.	470µF 16V M	*
C0606	NCB21HK-103X	C CAP.	0.01µF 50V K	*
TRANSFORMER				
T0020	QQR0626-001	I.F.TRANSF.		*
T0050	CELT001-307	C.WAVE TRANSF.		*
T0051	CELT001-306	C.WAVE TRANSF.		*
COIL				
L0020	QQLZ014-R47	PEAKING COIL	0.47µH	*
L0021	NQL011K-1R5X	COIL	1.5µH	*
L0030	NQL011K-2R2X	COIL	2.2µH	*
L0040	NQL011K-120X	COIL	12µH	*
L0042	NQL011K-330X	COIL	33µH	*
L0050-53	NQL011K-8R2X	COIL	8.2µH	*
L0054	NQL011K-330X	COIL	33µH	*
L0070	NQL011K-5R6X	COIL	5.6µH	*
L0101	NQL011K-6R8X	COIL	6.8µH	*
L0102	NQL011K-100X	COIL	10µH	*
L0103	NQL011K-8R2X	COIL	8.2µH	*
DIODE				
D0020-21	DAN235K-X	CHIP DIODE		
D0050-51	DAN235K-X	CHIP DIODE		
TRANSISTOR				
Q0012	2SC5083/L-P/-T	SI.TRANSISTOR		*
Q0080	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0101	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0102	2SA1162/YG/-X	SI.TRANSISTOR		*
Q0103	DTC144EKA-X	DIGI.TRANSISTOR		*
Q0104	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0106	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0107	2SA1162/YG/-X	SI.TRANSISTOR		*
Q0108	DTC144EKA-X	DIGI.TRANSISTOR		*
Q0110-11	2SC2712/YG/-X	SI.TRANSISTOR		*
Q0120-26	DTC144EKA-X	DIGI.TRANSISTOR		*
Q0601-02	2SC2712/YG/-X	SI.TRANSISTOR		*
IC				
IC0010	TA8865BN	I.C(MONO-ANA)		*
OTHERS				
CF0010-11	FTP40.40MF	CERAMIC FILTER		*
CF0100	TPS5.5MW	CERAMIC FILTER		*
CF0140	CSB503F30-T2	CER.RESONATOR		*
R0070	NRSA02J-393X	MG R	39kΩ 1/10W J	*
SF0010	QAX0531-001	SAW FILTER		*
SF0012	QAX0352-003	SAW FILTER		
VC0052	QAT7004-100		10pF	
VC0059	QAT7004-100		10pF	
W0008	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0013	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0015	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0025-26	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0028-29	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0031-32	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0035-36	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0044	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

⚠ Symbol No.	Part No.	Part Name	Description	Local
OTHERS				
W0073-75	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
W0094-99	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*
Y0001	NRSA02J-0R0X	MG R	0.0Ω 1/10W J	*

AV SEL & MSP P.W. BOARD ASS'Y (SJH0S001A-U2)

Refer to PARTS LIST in page 42 for this P.W. board.